

428608

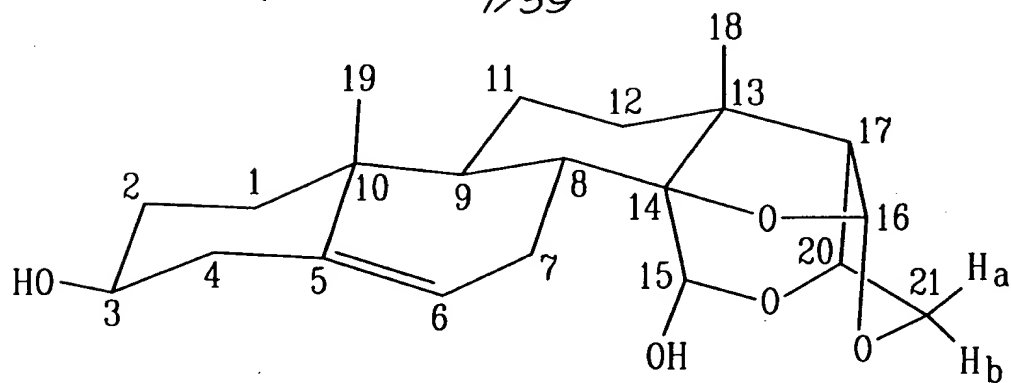
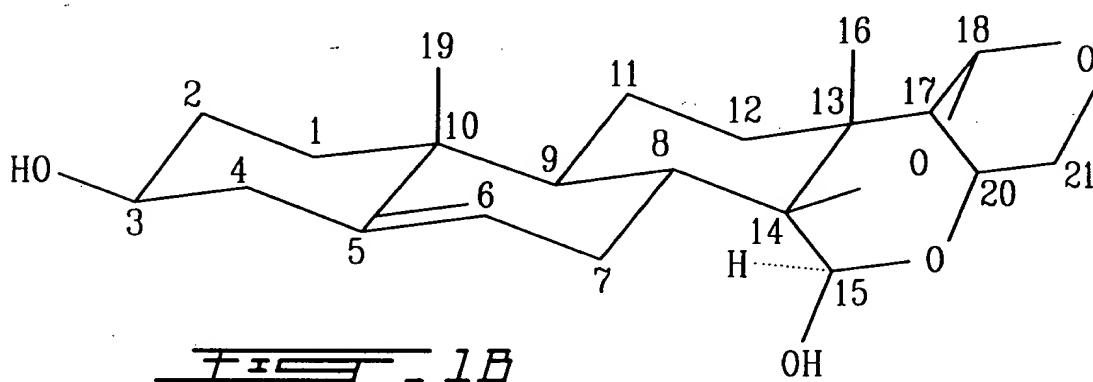


FIG - 1A



FILE - 1B

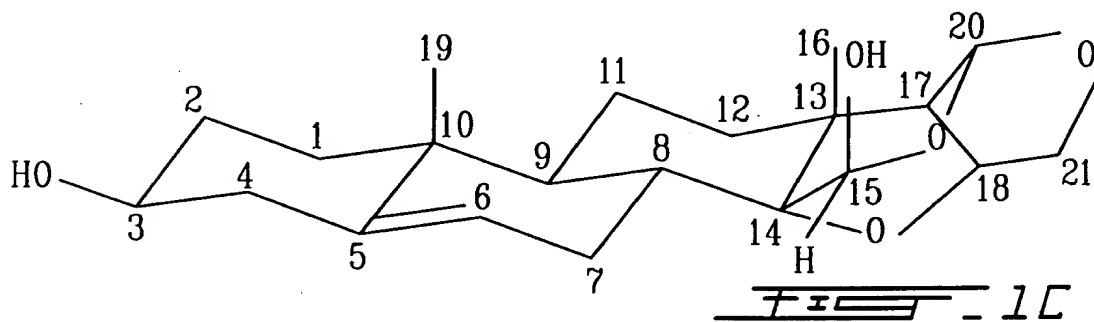
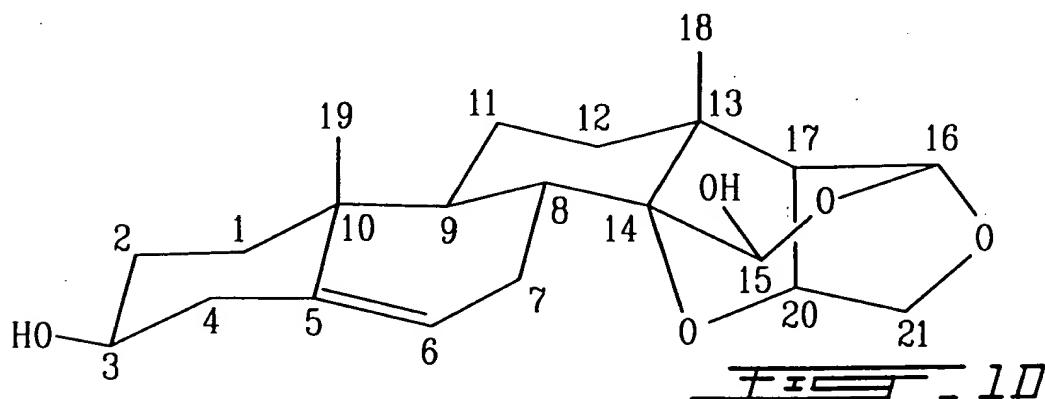
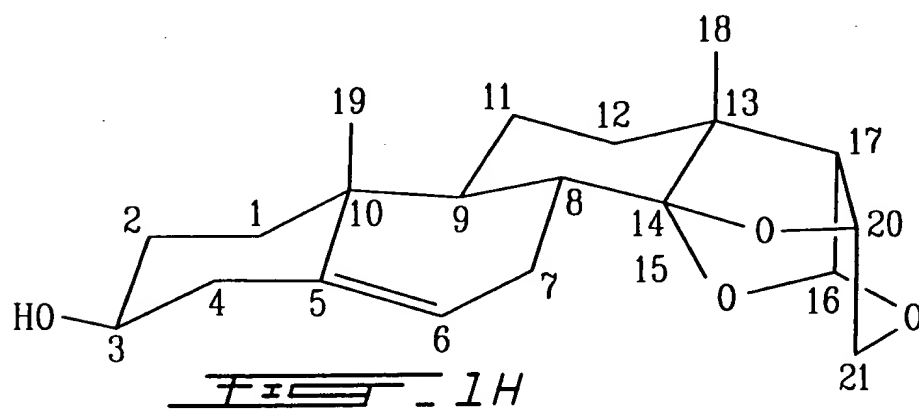
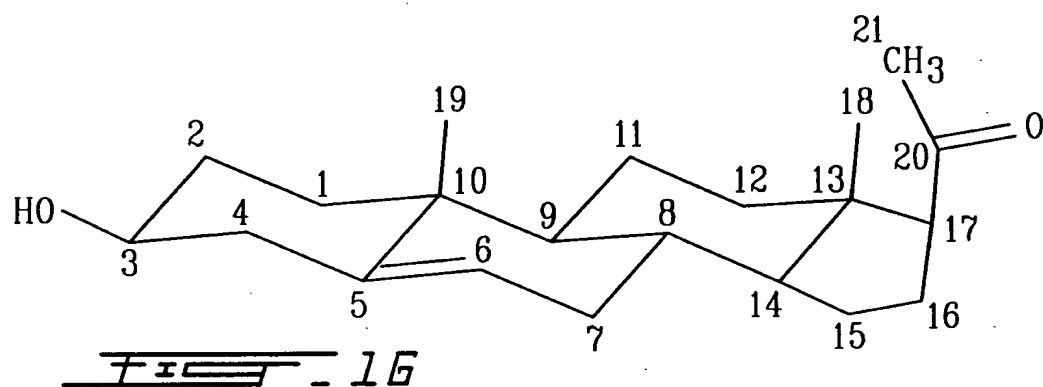
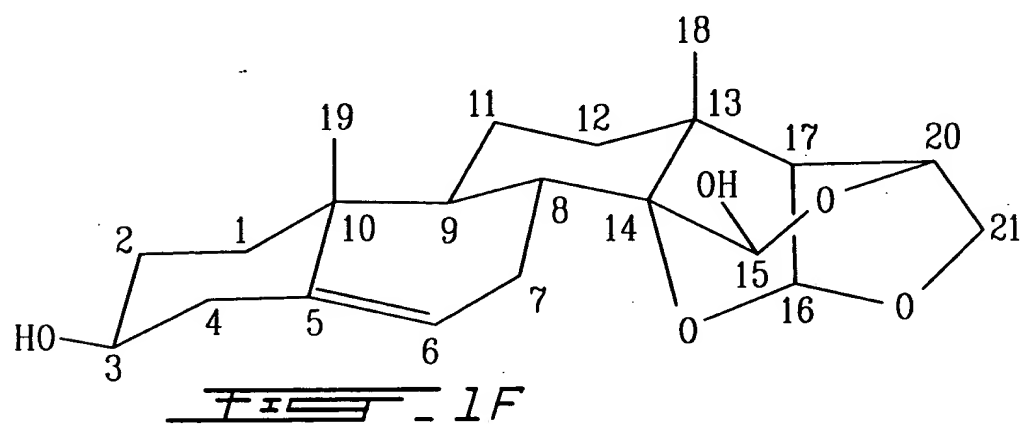
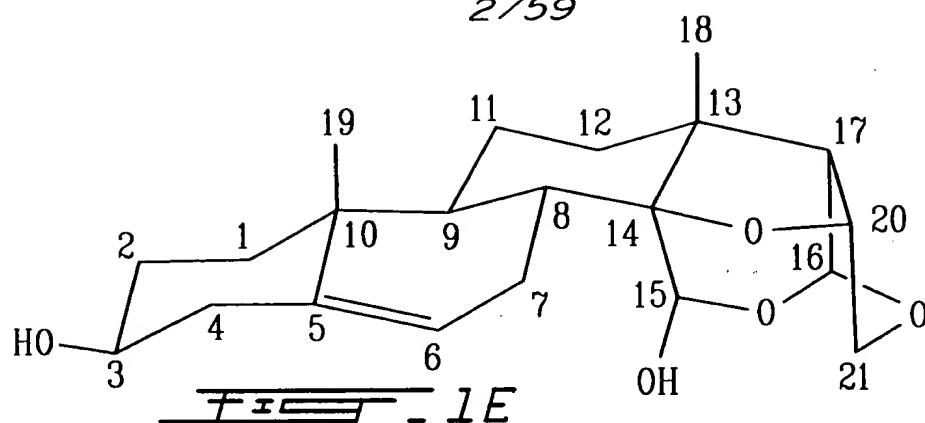


FIG-1C

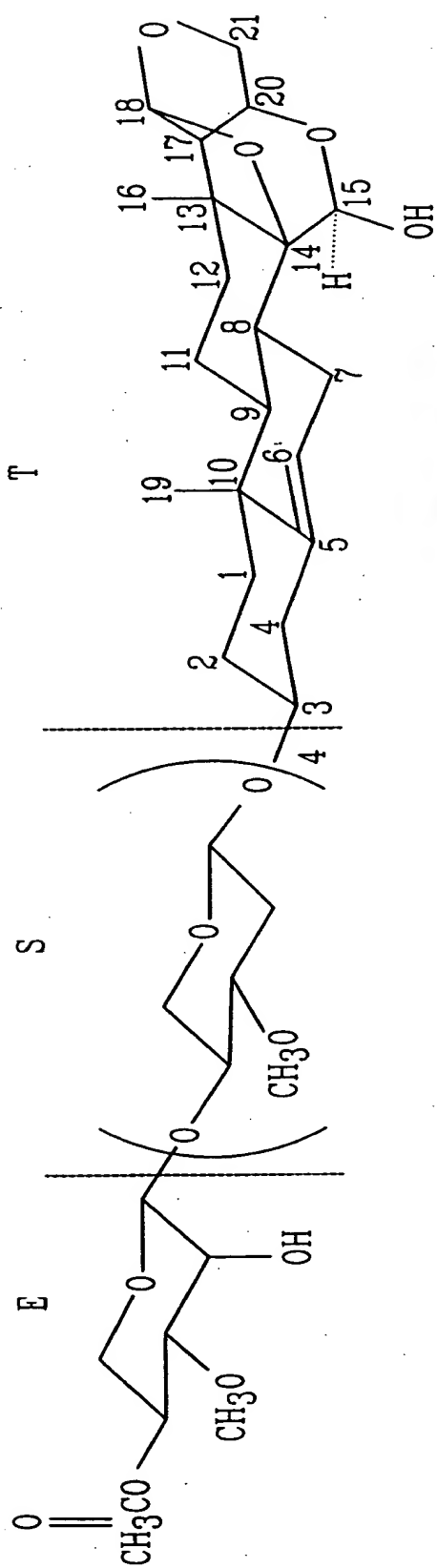


FILE - 10

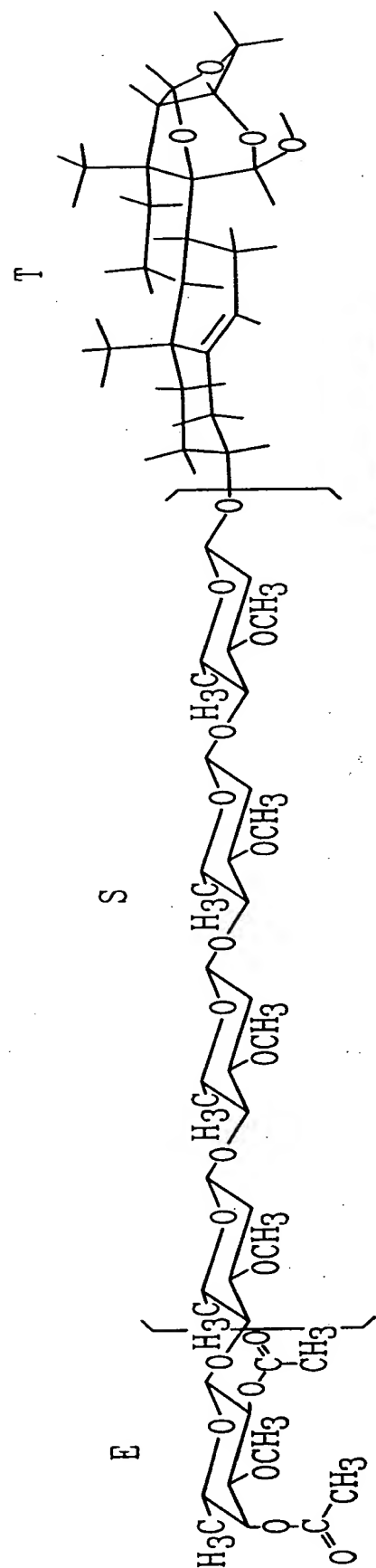
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T - **2A**



T - **2B**

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```

9-OCT-1991 11:42:39.00
DFILE : ALPHA1NON
SFILF :
COMMENT : 1H SINGL. NOM A
EXEMD : SINGL
IRMOD : NON
POINT : 32768
FREQU : 10000.00 Hz
SCANS : 16
DUMMY : 4
ACQTM : 3.2768 se
PD : 2.7232 se
RGAIN : 16
PW1 : 5.00 usec

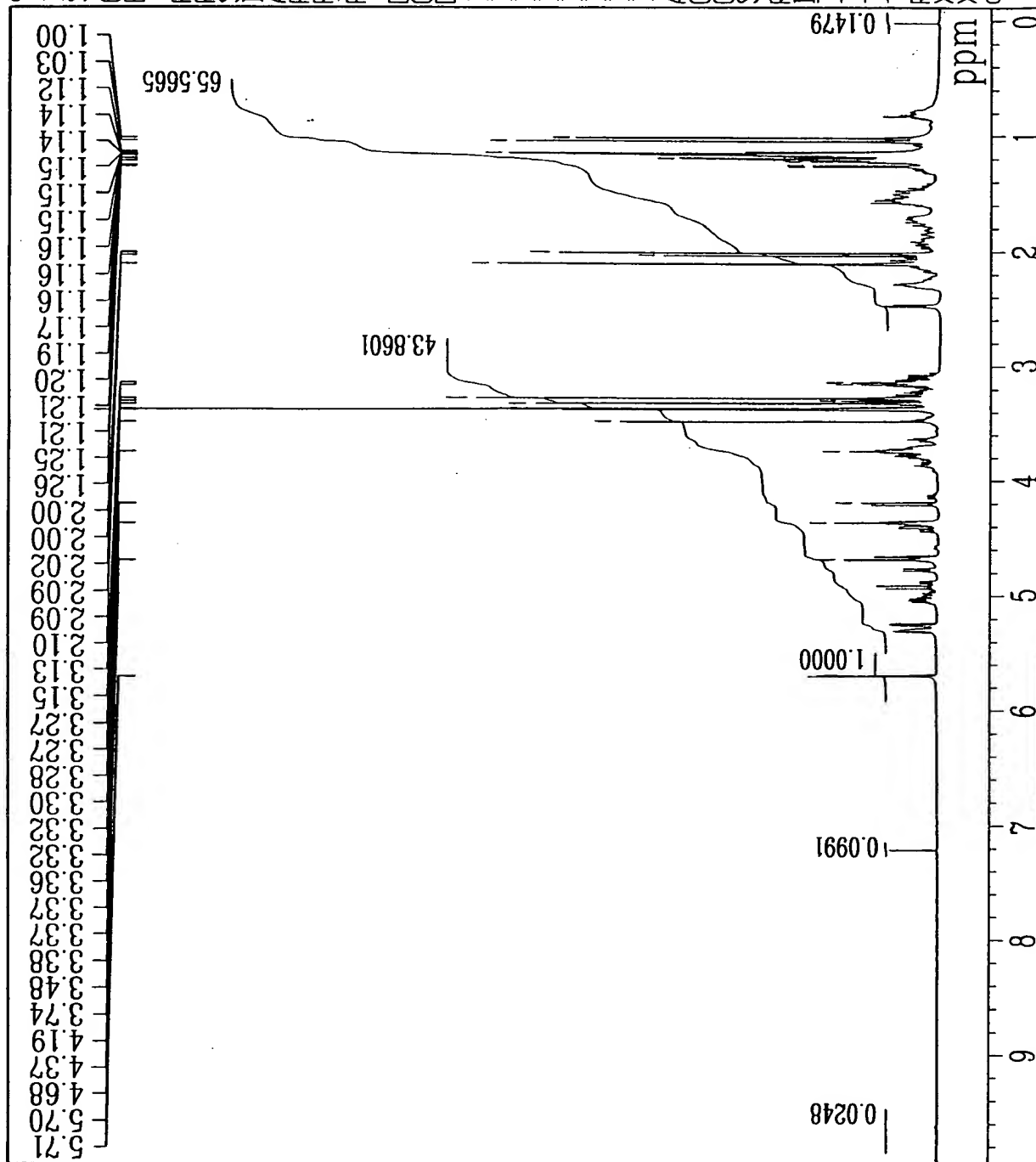
DBNUC : 1H
CBFRQ : 500.00 MHz
DBSET : 162160.00 Hz

IRNUC : 1H
IRFRQ : 399.65 MHz
IRSET : 134300.00 Hz
IRAIN : 511
IRRPV : 50.0 usec
IRBP1 : 30
IRBP2 : 6
IRRNS : 0

ADBIT : 16
CTEMP : 21.6 C
CSPED : 13 Hz
SSLVNT : CDCL3

RESOL : 0.31 Hz
BF : 0.15 Hz
T1 : 0.00 %
T2 : 0.00 %
T3 : 90.00 %
T4 : 100.00 %
REFVL : 0.00 ppm
XFL : 5001.83 Hz
XS : -235.60 Hz
operator

```



Accumulation

DBSET : 127958.00 Hz

IRSET : 162160.00 Hz

SCANS : 500

ACQ™ : 0.9667 sec

EXMOD : SINGL

LRMOD : BCM

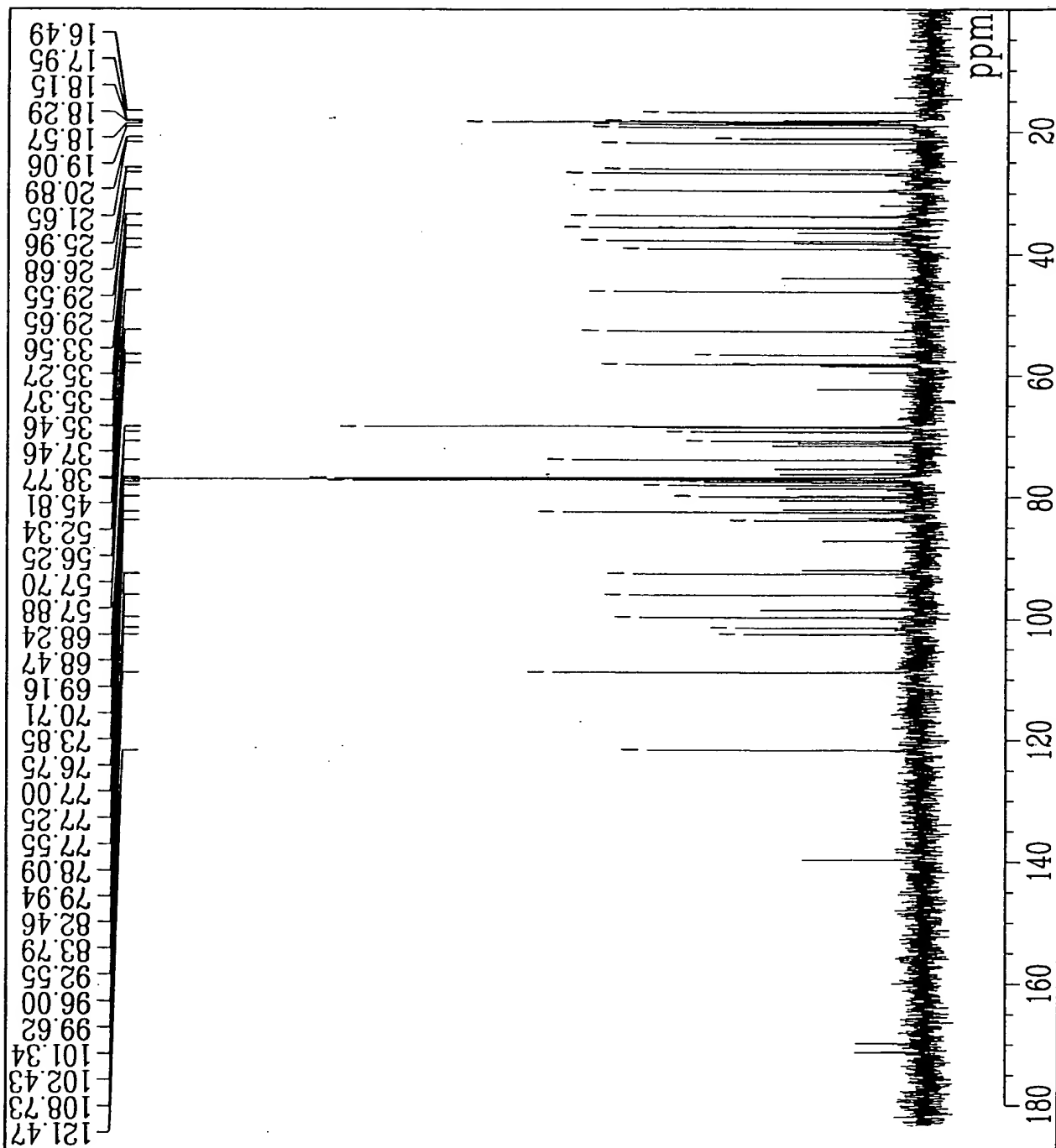
```
*Process*
```

RESOL : 10337

Plot

23440.60 Hz

XLS	:	947.08	HZ
XLS	:	947.08	HZ



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9-OCT-1991 17:05:07.00

Accumulation

DNUC : 1H
 DBSET : 161620.12 Hz
 IRNUC : 1H
 IRSET : 162160.00 Hz
 EXMOD : PDDF
 SCANS : 8

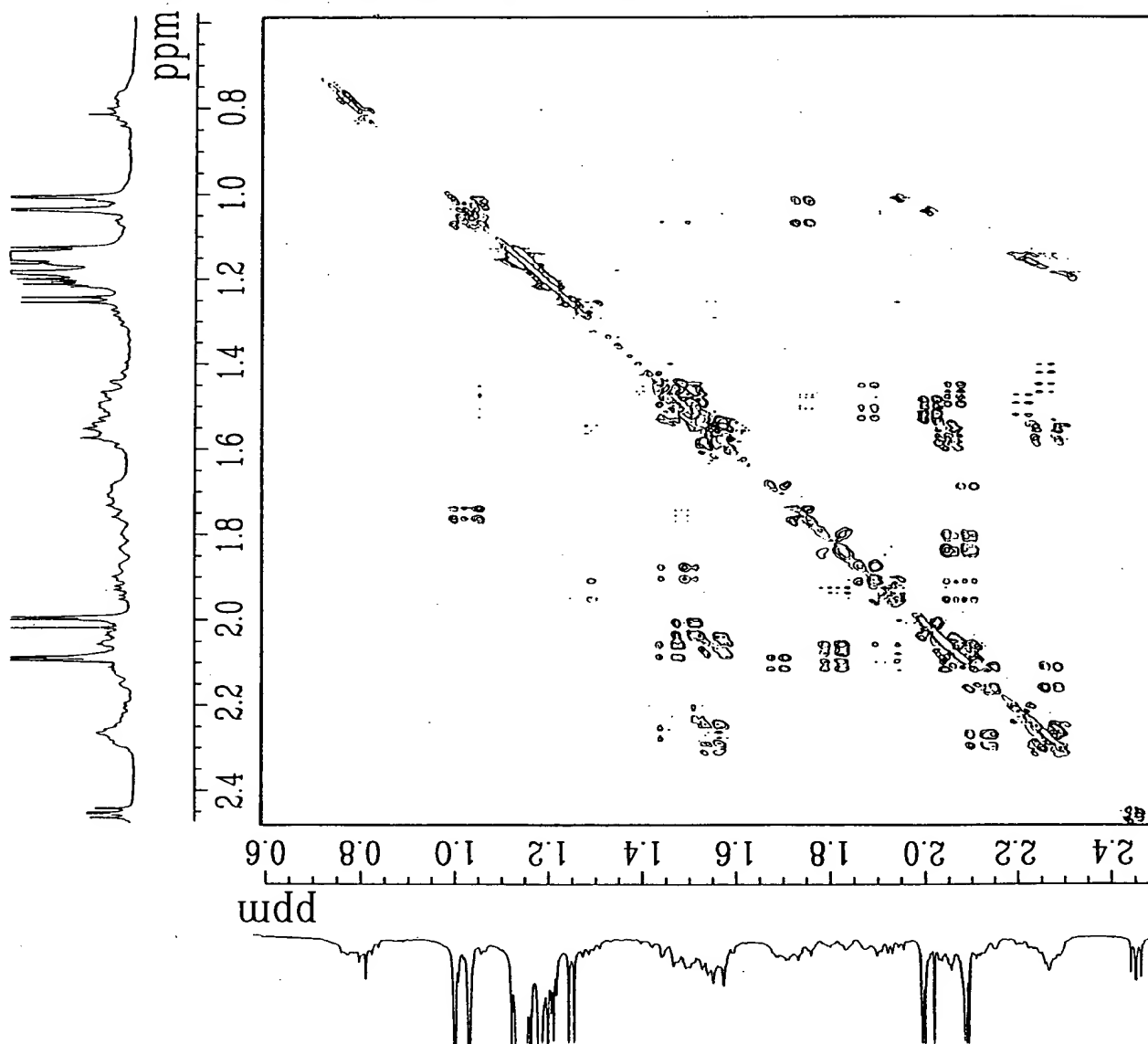
PW1 : 10.80 usec
 PW2 : 22.00 usec
 ACQTM : 0.3108 sec
 PD : 0.3175 sec

F2

POINT : 1024
 FREQU : 3294.89 Hz
 RESOL : 3.22 Hz
 BF : 0.00 Hz

F1

CLPNT : 1024
 CLFRQ : 3294.89 Hz
 CLRSS : 3.22 Hz
 CBF : 0.00 Hz



F1F2 - 5

000220

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9-DEC-1991 14:26:16.00

Accumulation

DBNUC : 13C
DBSET : 124801.76 Hz
IRNUC : 1H
IRSET : 161489.85 Hz
POINT : 2048
SCANS : 16
PW1 : 9.50 usec
ACQTM : 0.1130 sec
PD : 0.5000 sec

EXMOD : CHSHF
IRMOD : IRLV2

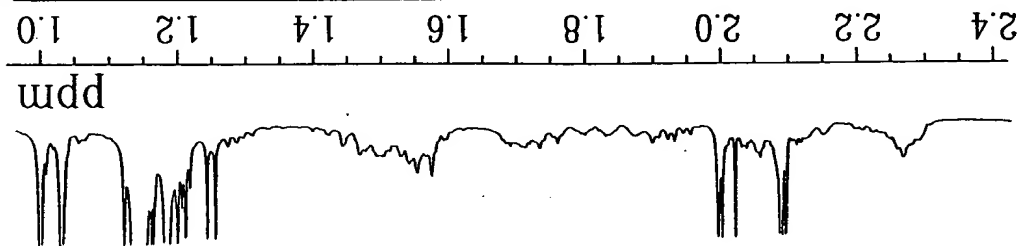
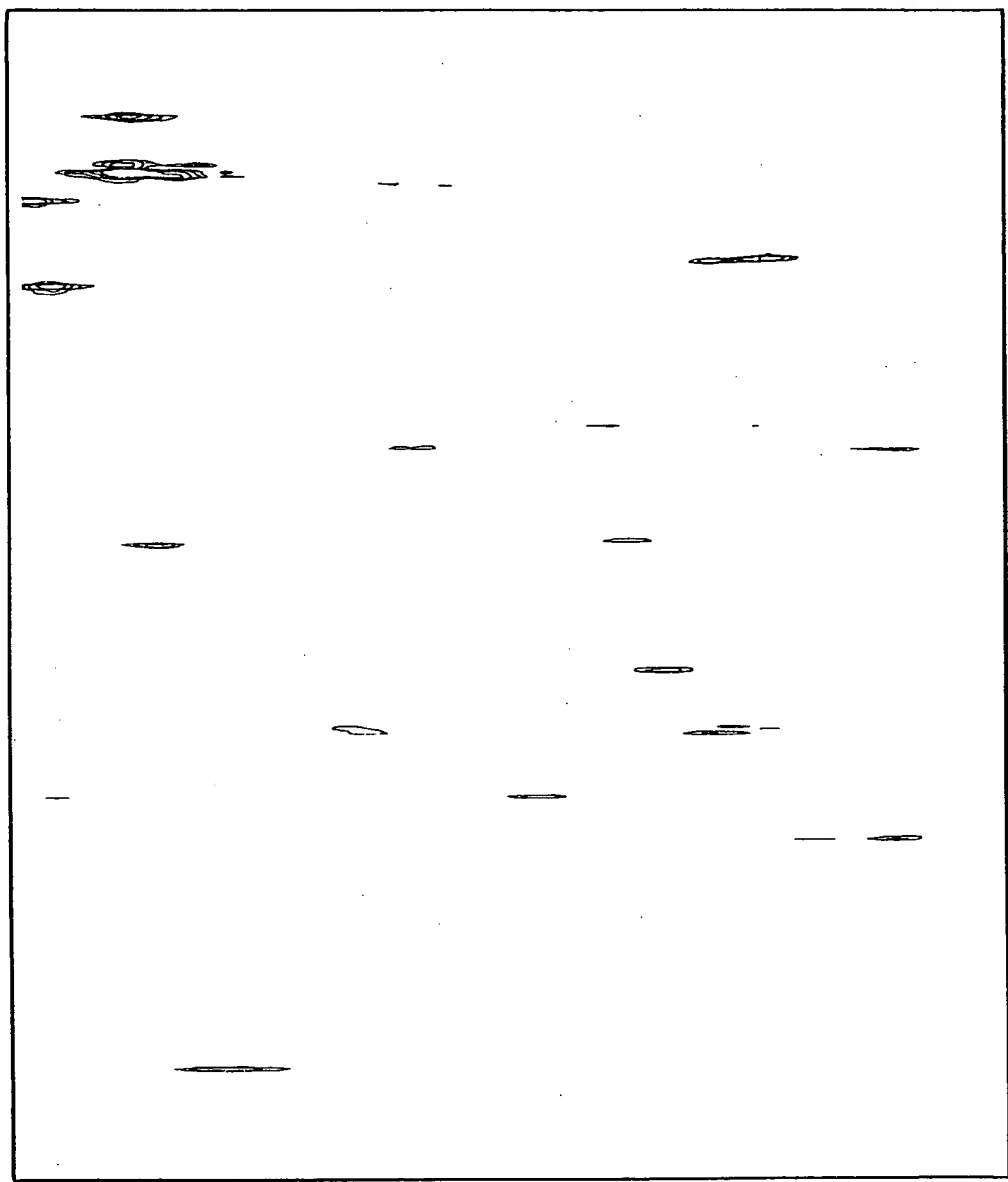
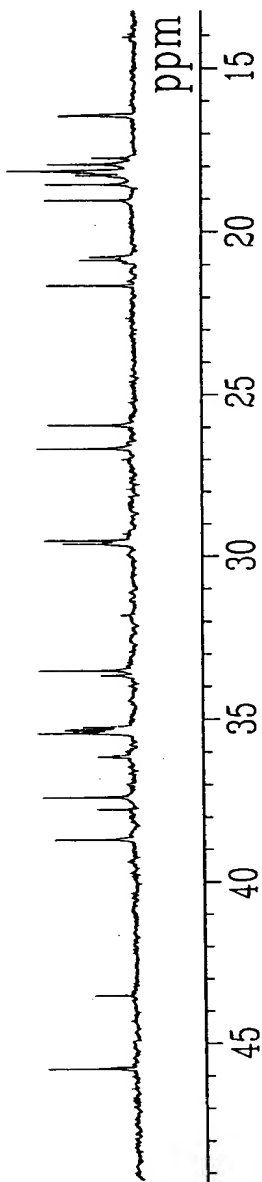
Process

BF : 8.00 Hz
RESOL : 8.85 Hz

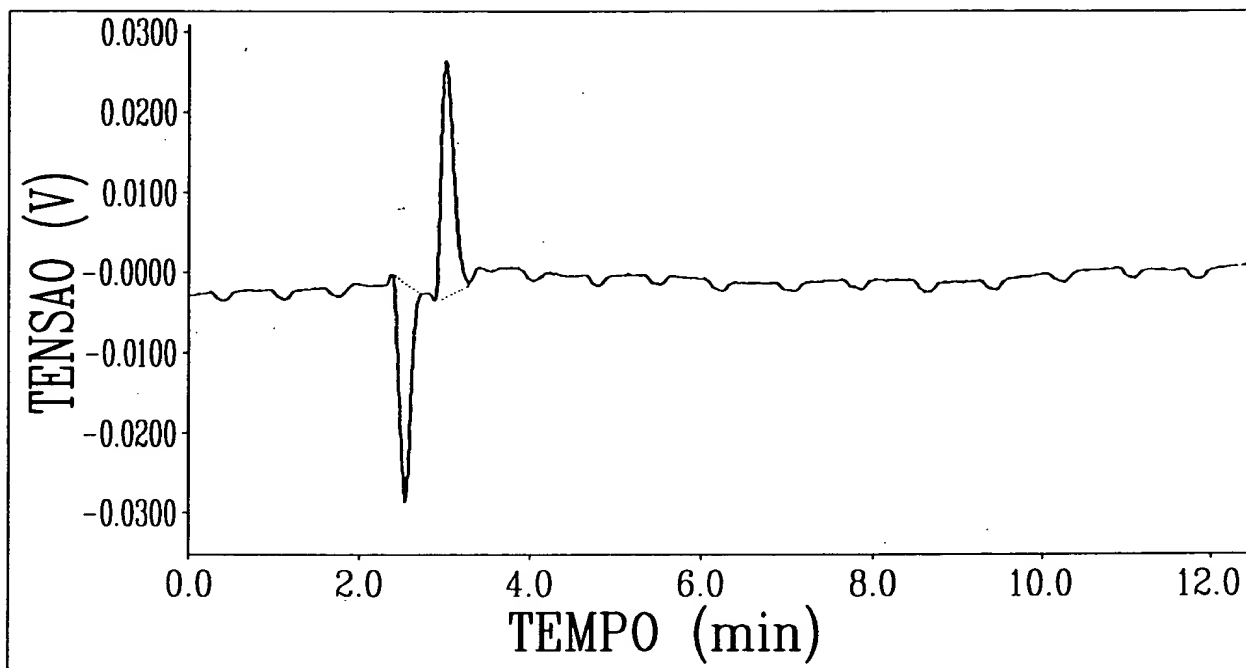
Plot

YG : 0.0500
XE : 4528.99 Hz
XS : 5555.08 Hz

FILE - 6



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Peak 1. Solvent

Peak 2. MV-8608

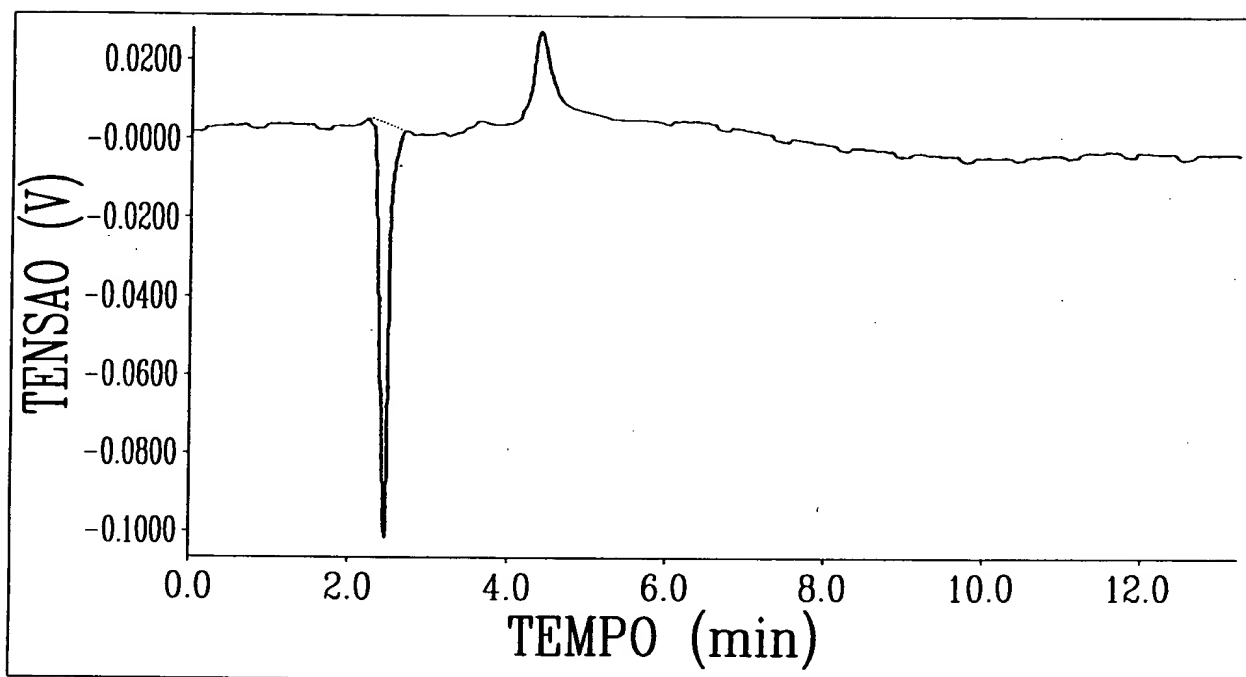
Column Temperature 25°C

Chromatogram in HPLC (Beckmann)

Refractive Index Detector

Stationary phase → água/metanol

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Peak 1. Solvent

Peak 2. MV-8612

Column Temperature 25°C

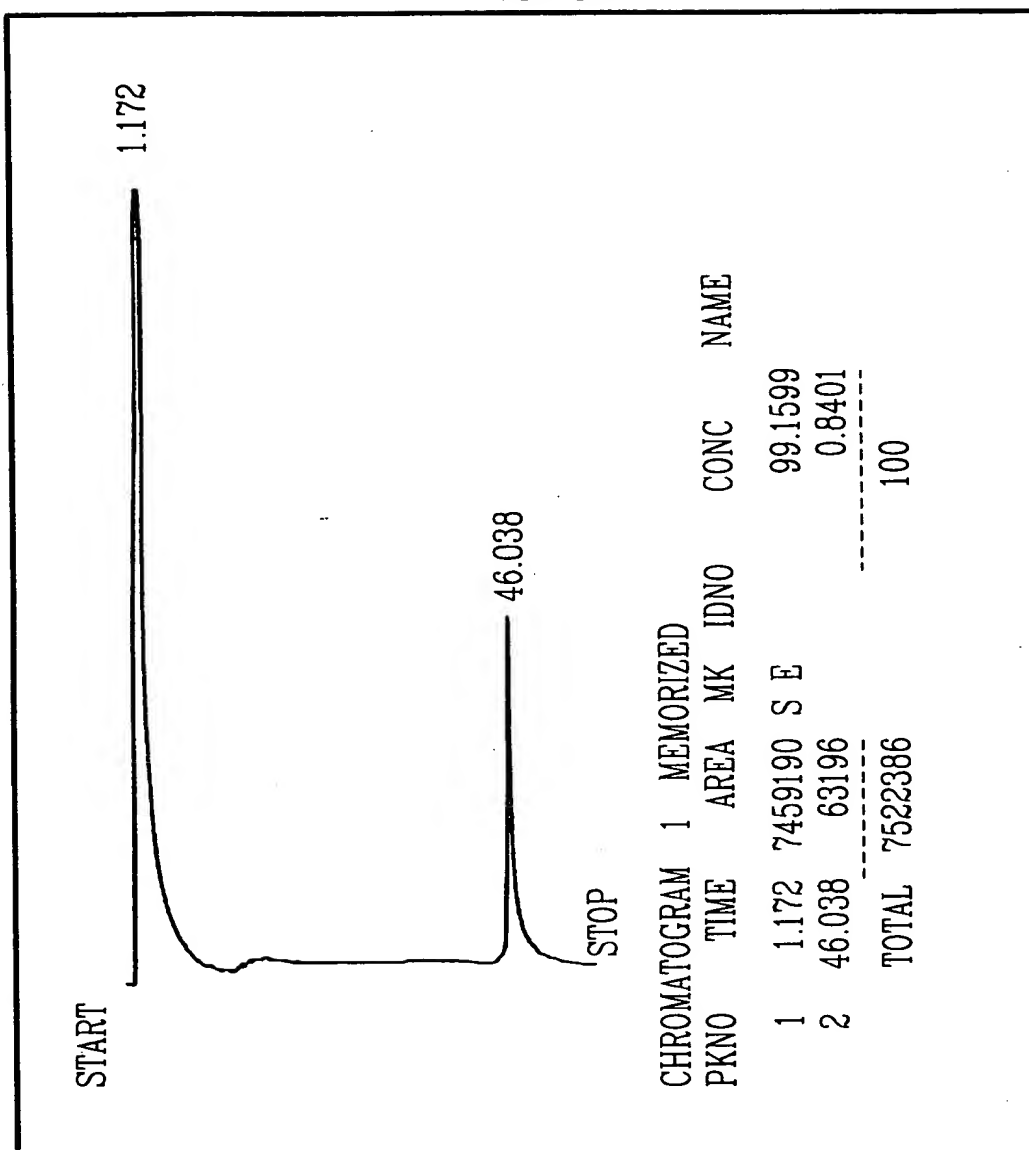
Chromatogram in HPLC (Beckmann)

Refractive Index Detector

Stationary phase → água/metanol

FISS - B

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Chromatography → Shimadzu CG - 14A

Sample → MV 8608

Column temperature → 80°C → 250°C

Detector temperature → 290°C

Injector temperature → 250°C

Gradient temperature → 10°C/min

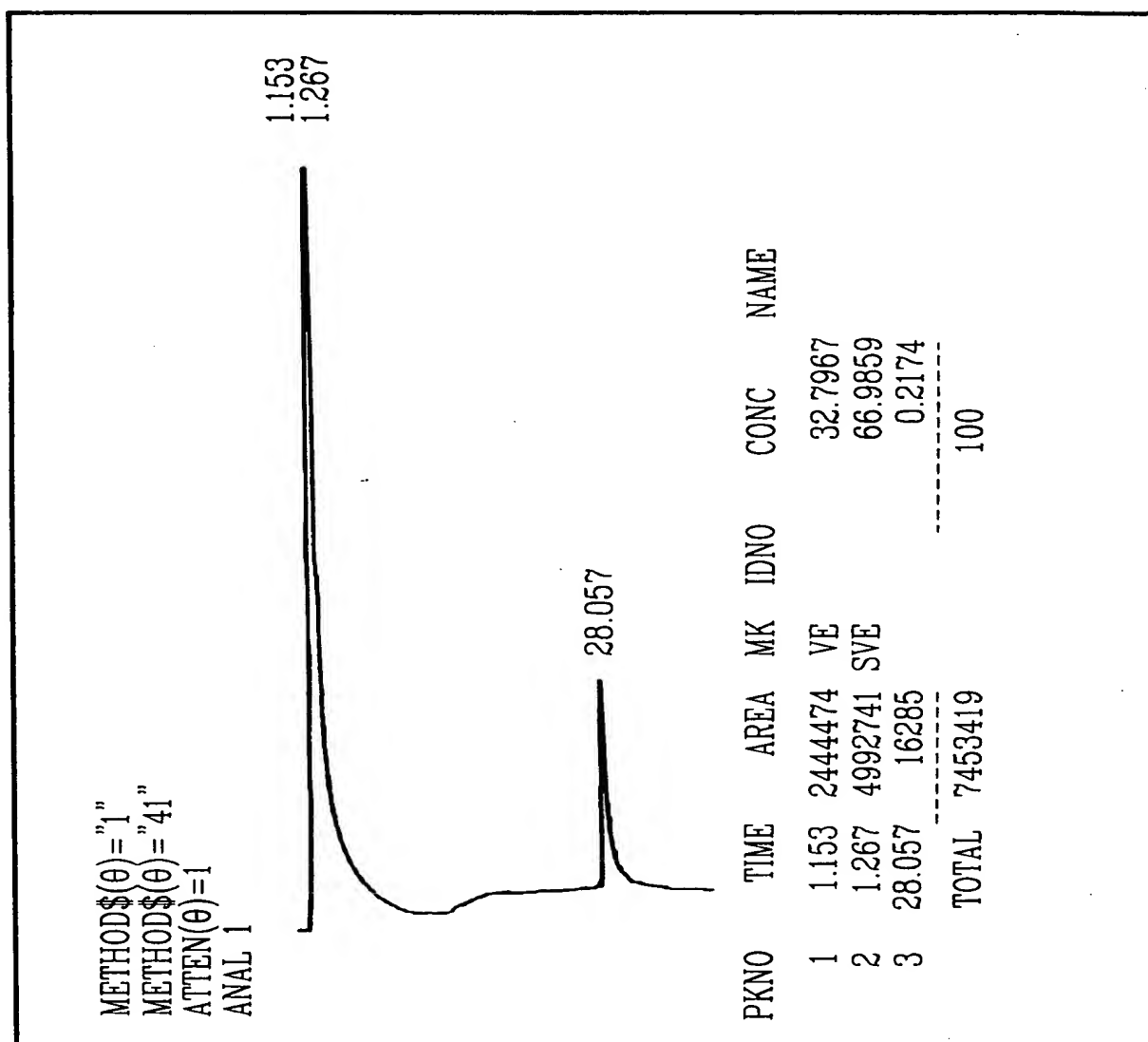
Column LM-1

Solvent → acetone

Peak 1 → solvent

Peak 2 → MV 8608

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Chromatography → Shimadzu CG - 14A

Sample → illustrol

Column temperature → 80°C → 250°C

Detector temperature → 290°C

Injector temperature → 250°C

Gradient temperature → 10°C/min

Column LM-1

Solvent → acetone/CHCl₃

Peak 1 → solvent

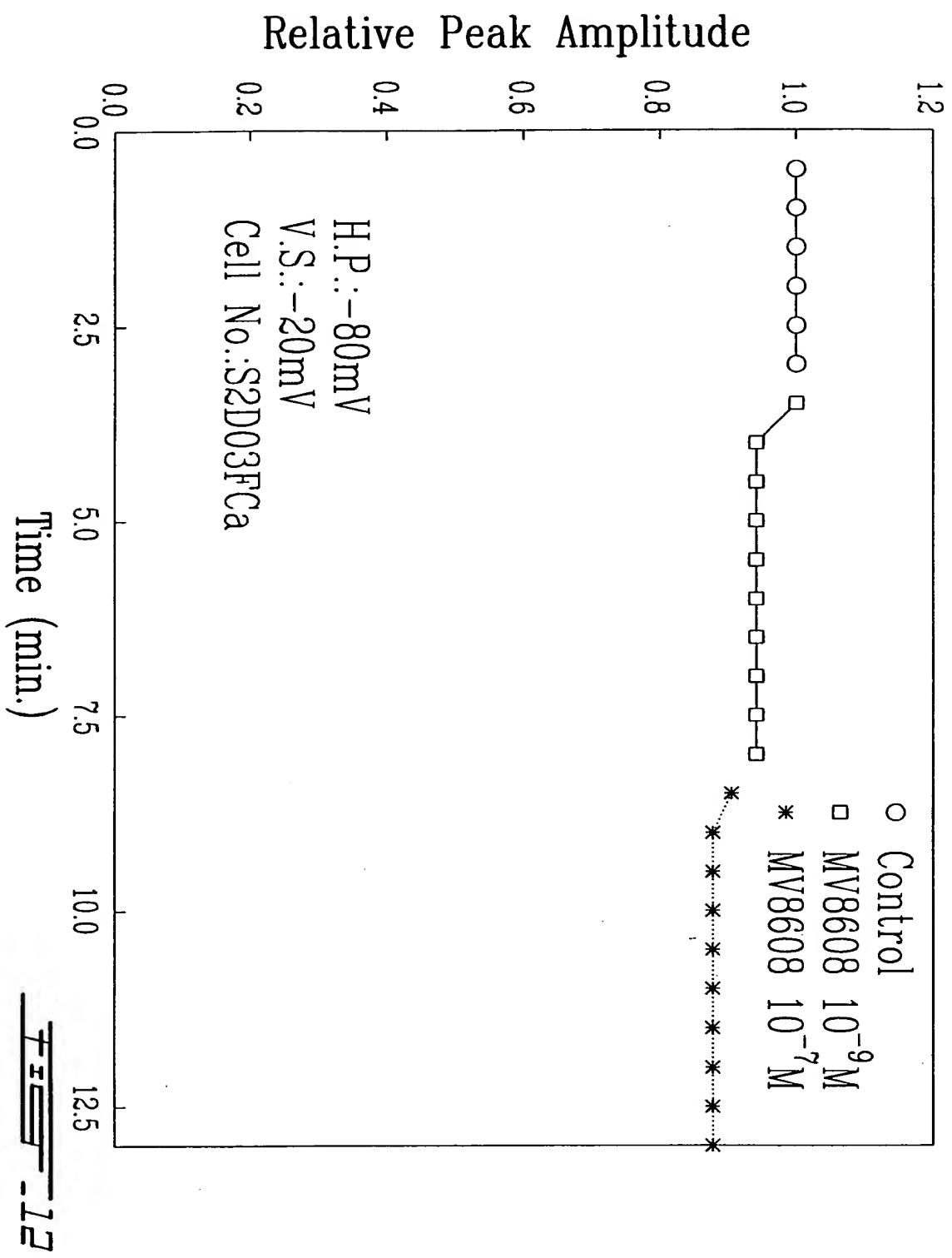
Peak 2 → solvent

Peak 3 → illustrol

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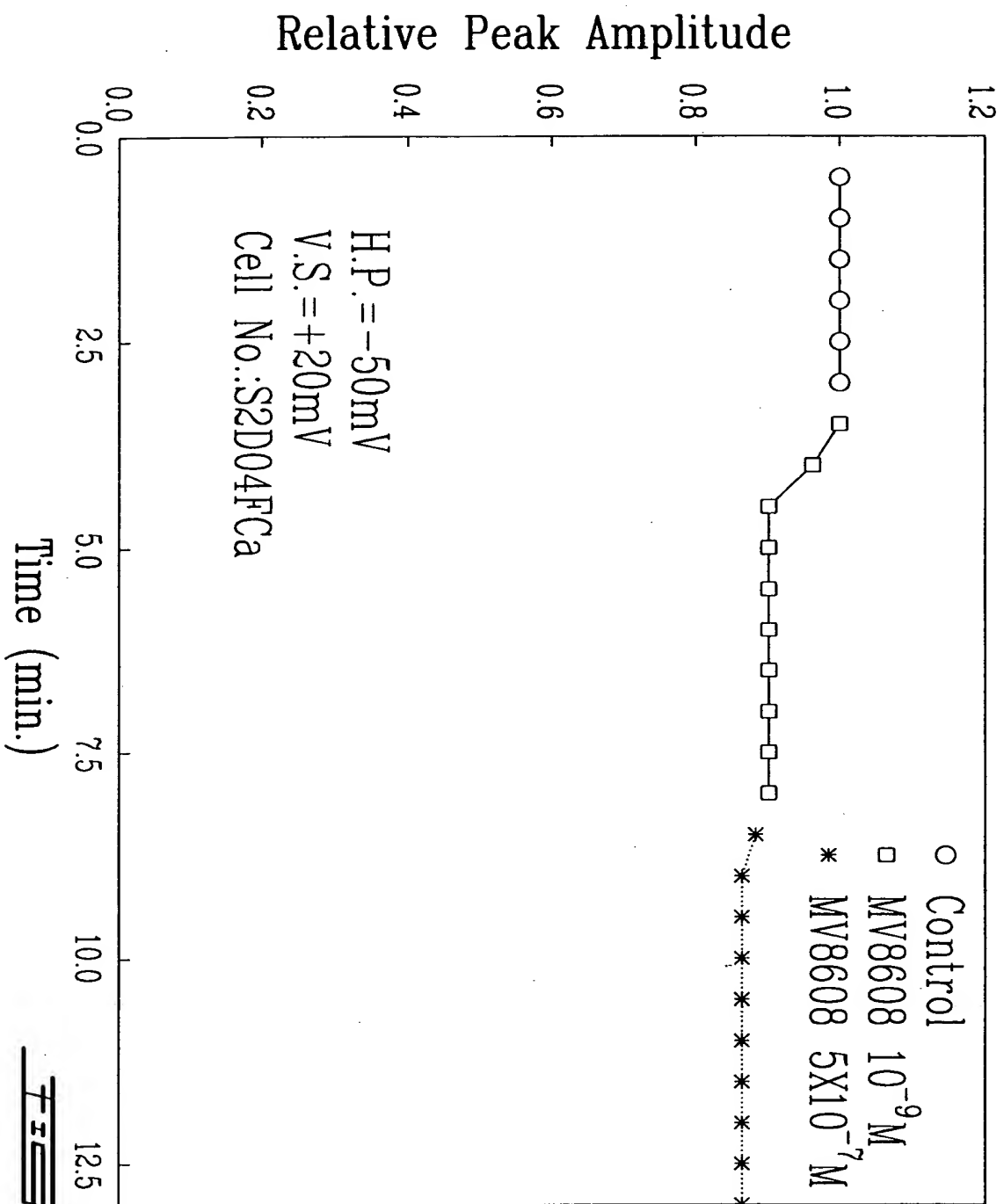


(The following are the names of the persons who have been elected to the various offices of the Association, as reported by the Secretary.)



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MV8608 10^{-7} M (intrapipette)

Control

Membrane potential = -30mV



FEB-14A

MV8608 10^{-7} M (extrapipette)

Control

+30mV

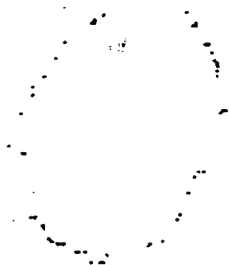
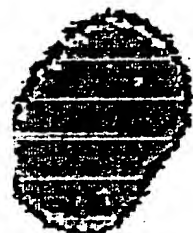
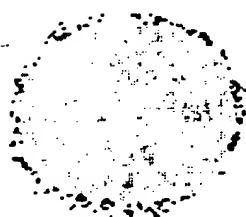
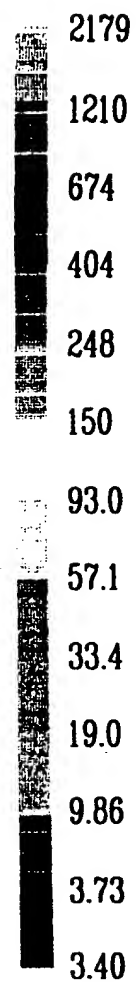


200 msec

7100-14B

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CONTROL

KCl
4 minMV8608
5 minConc.
 $\times 10^{-9}$

HUMAN HEART

CONTROL

KCl
3 minMV8608
1 min

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CHICK HEART

CONTROL

ET-1
4 minNIFEDIPINE
4 minMV8608
6 minKCl
3 min

3 min



4 min

PAF
4 min

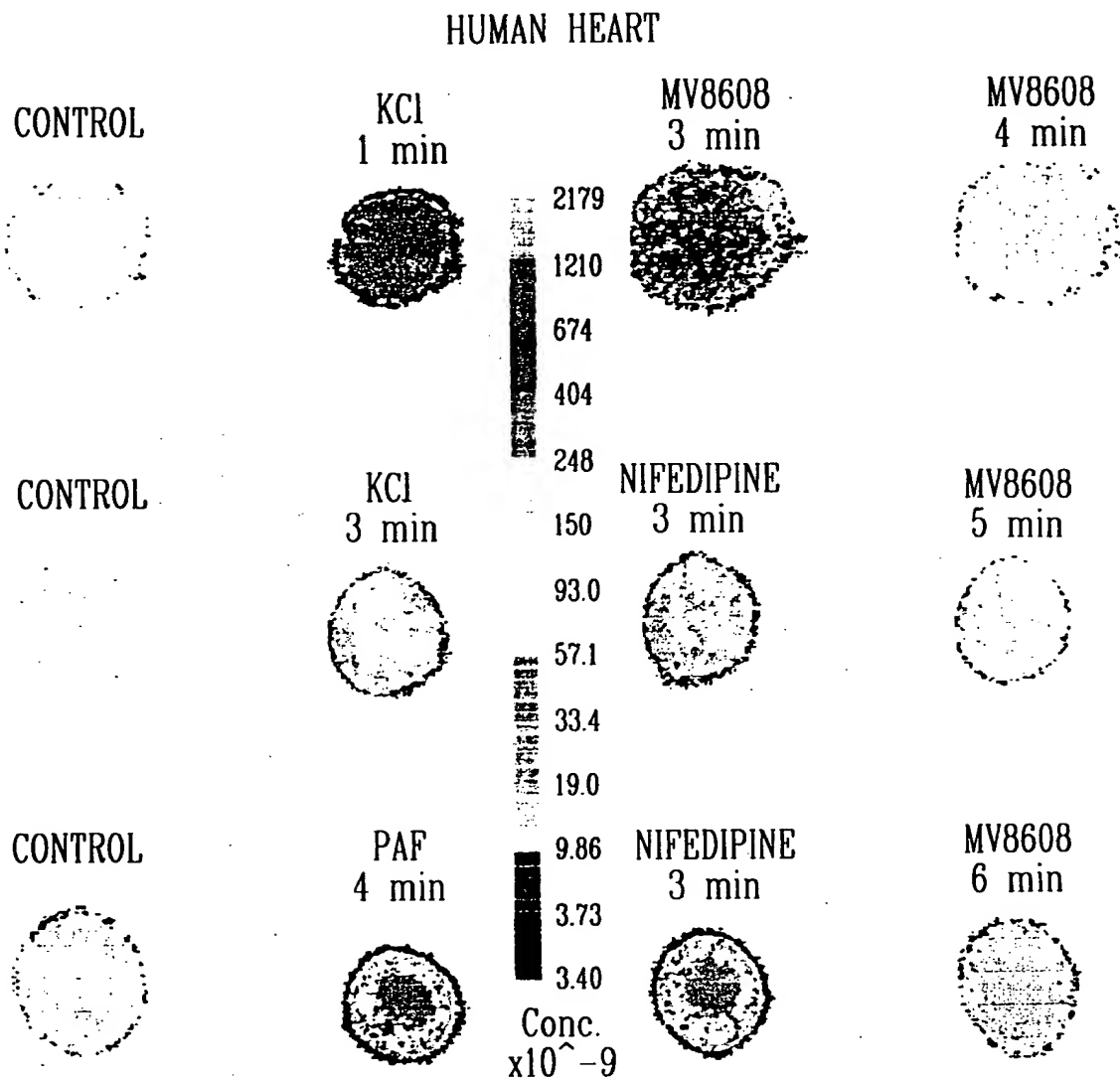
3 min



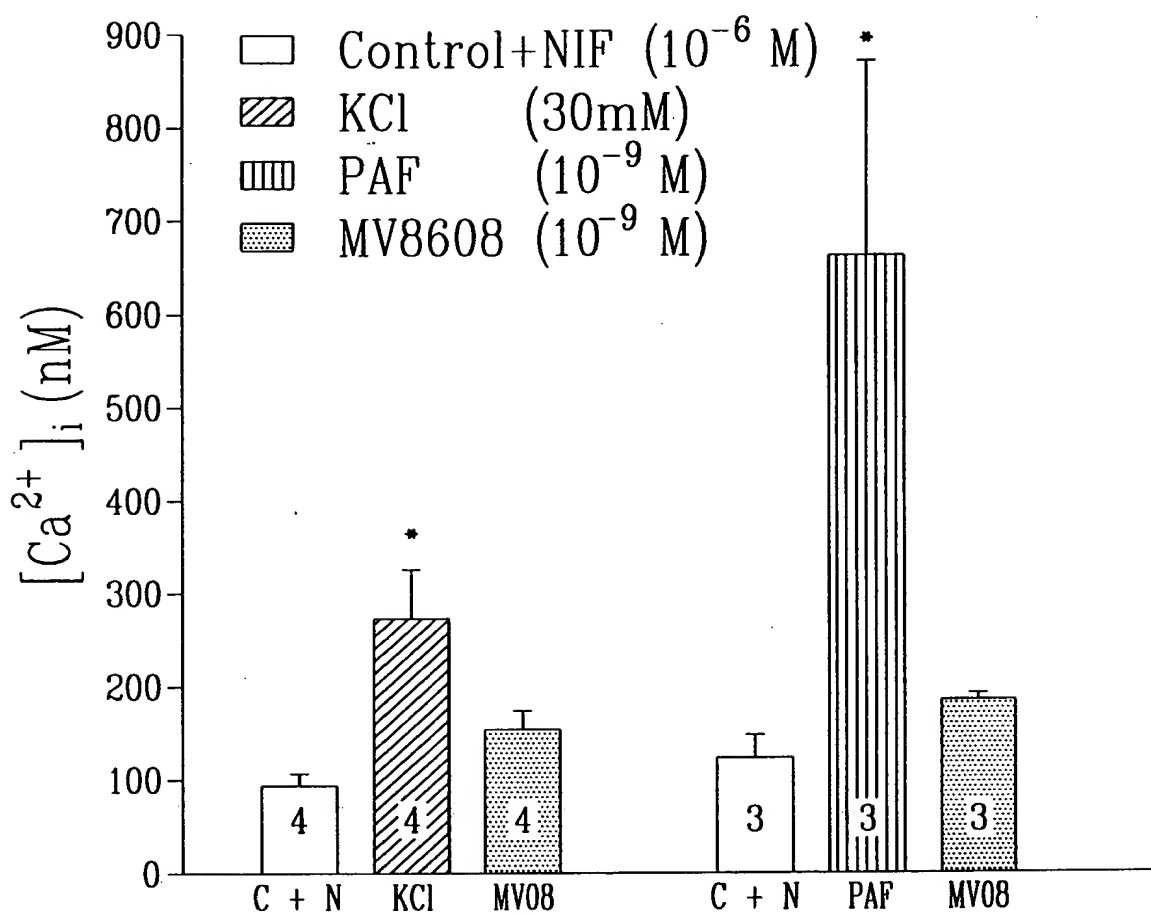
4 min

Conc.
 $\times 10^{-9}$

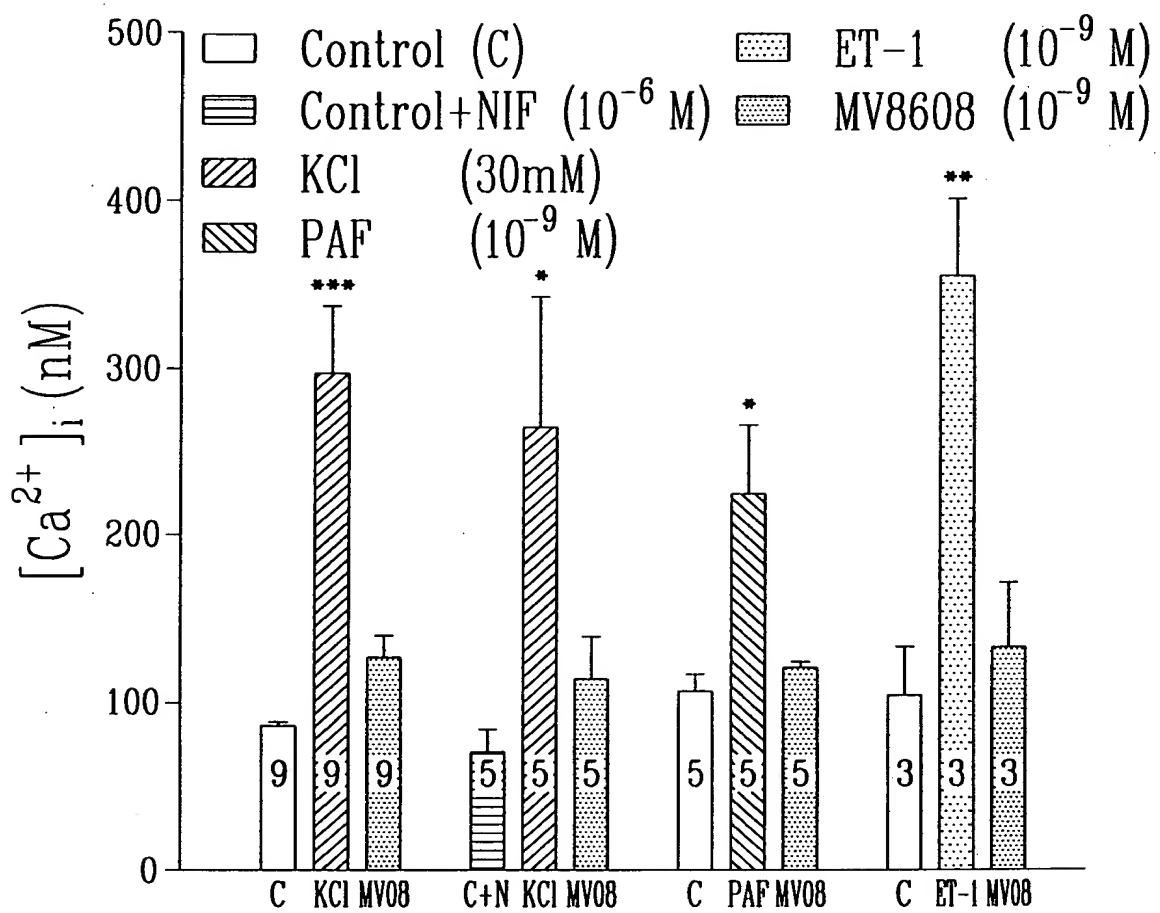
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Fig. 17

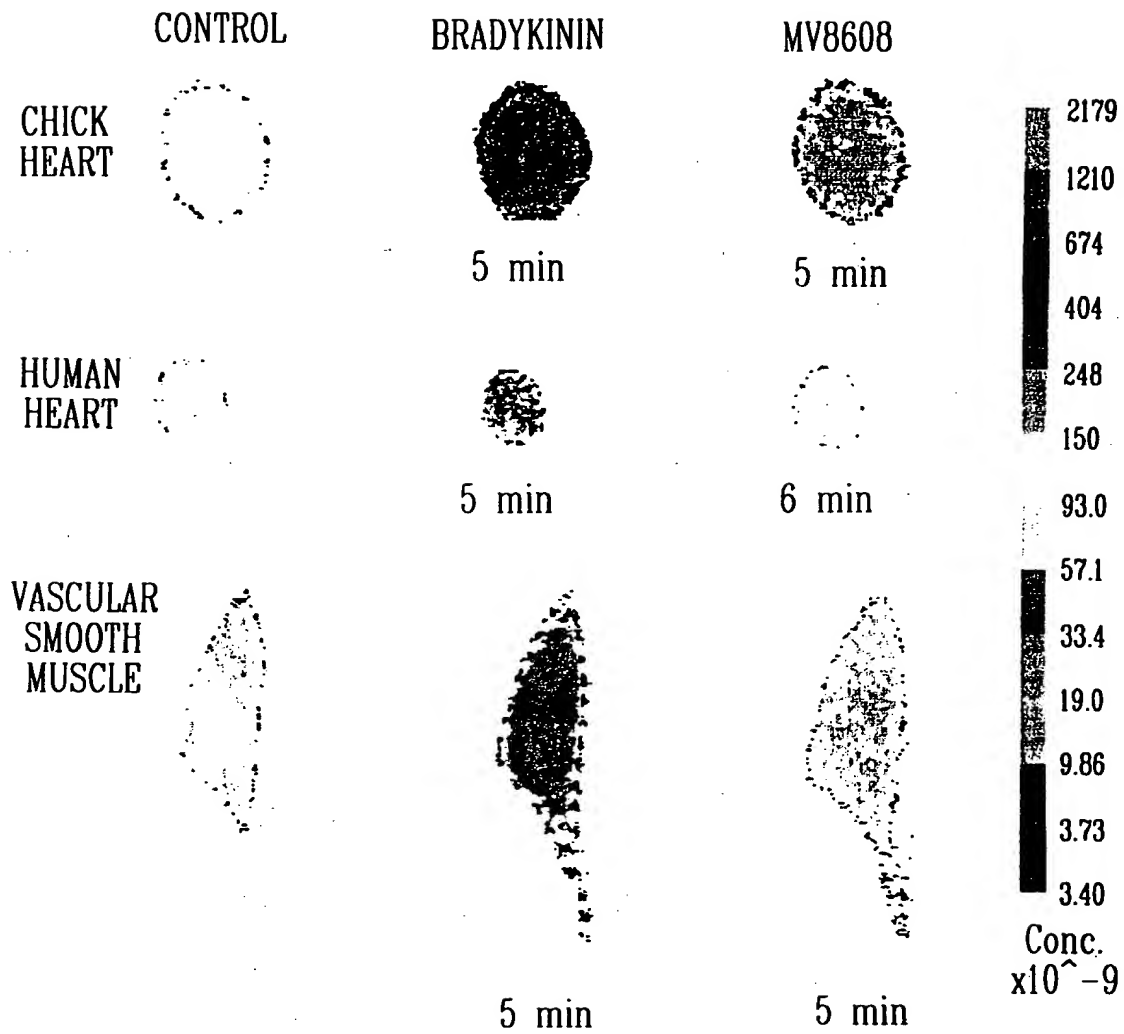
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Fig. 1B

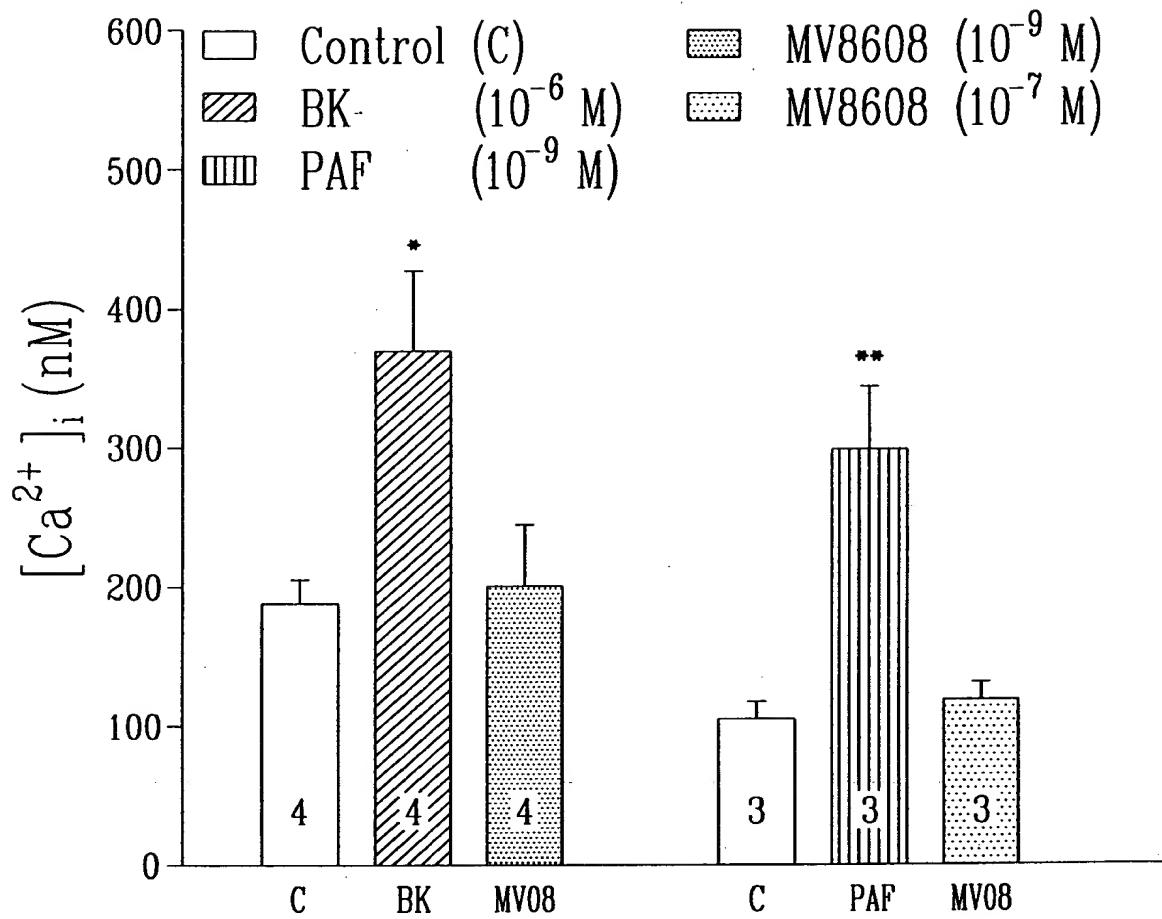
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HUMAN ENDOTHELIAL CELLS

MV8608
0.5 min

MV8608
2 min

2179

1210

674

404

248

150

93.0

HUMAN VASCULAR SMOOTH MUSCLE

CONTROL

PAF
3 min

MV8608
0.5 min

MV8608
1.5 min

1.20

33.4

19.0

9.86

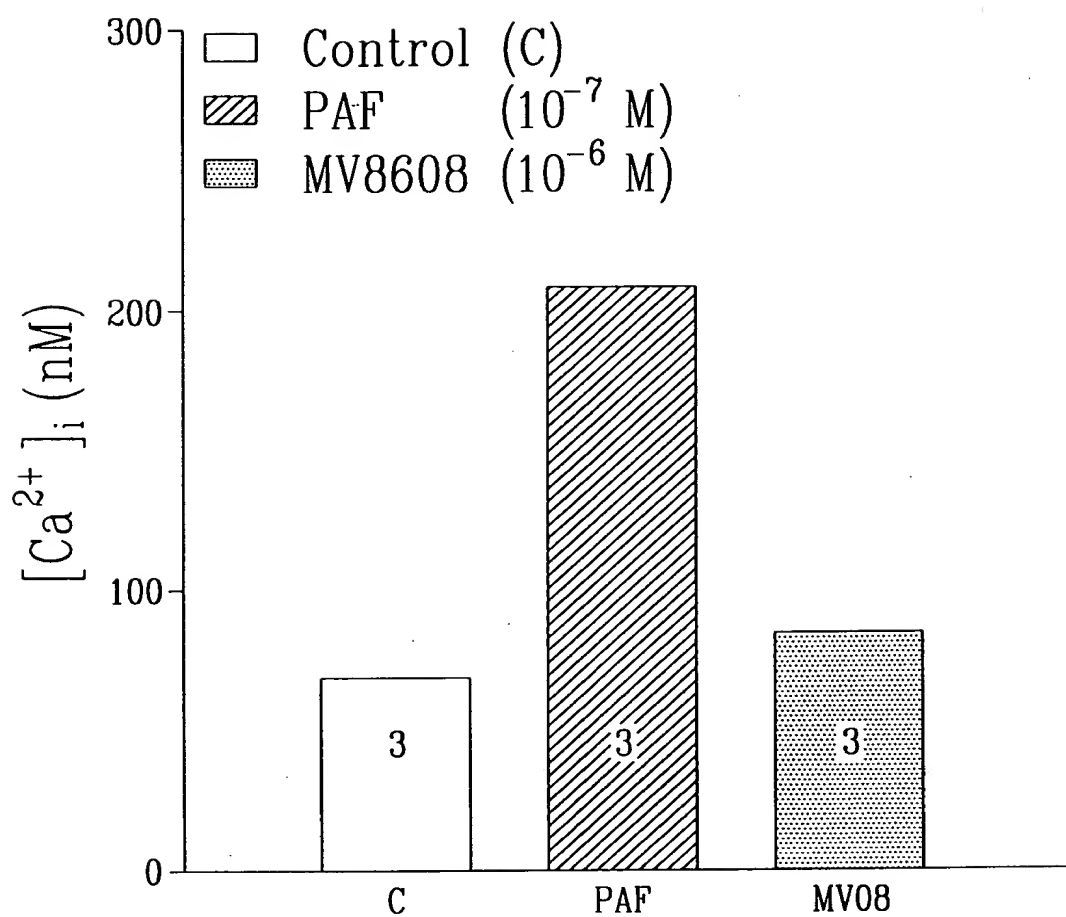
3.73

3.40

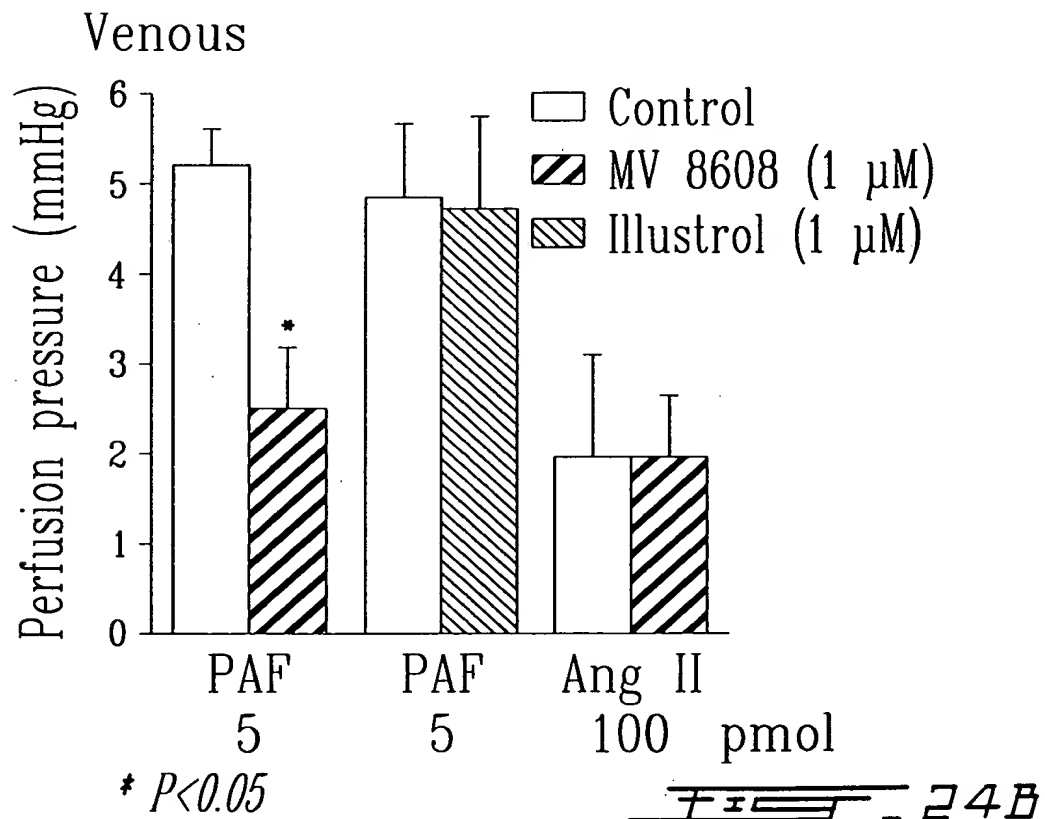
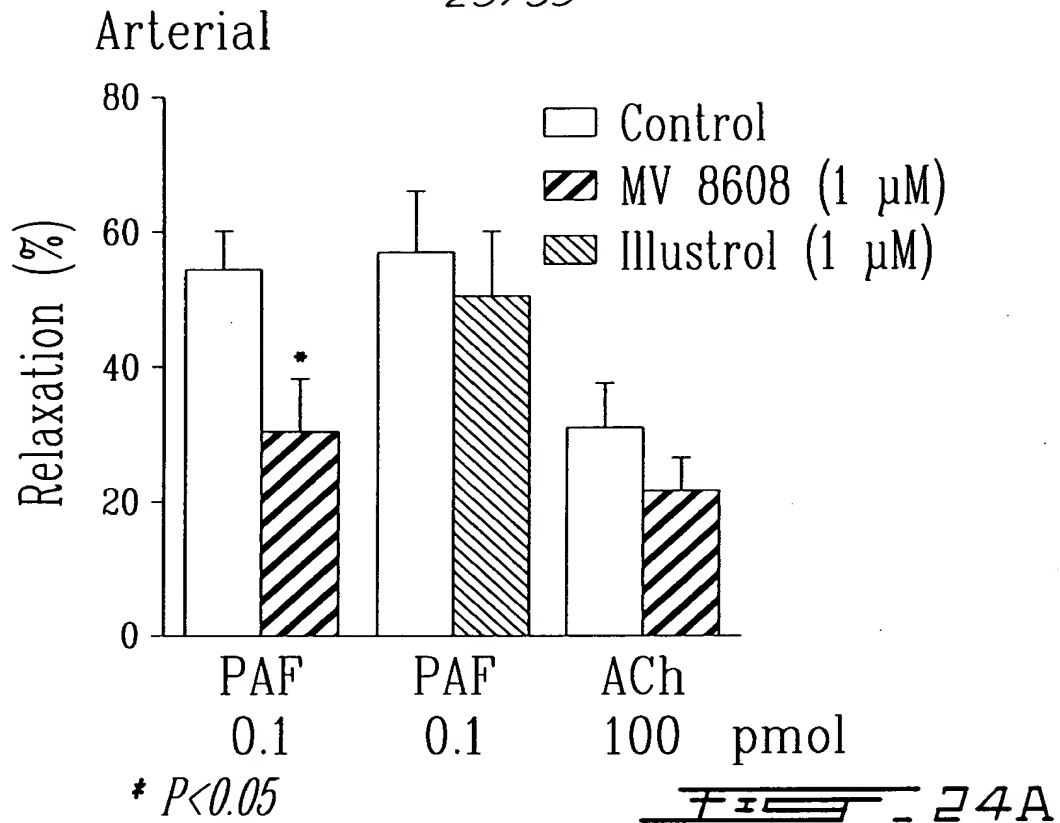
Conc.
x10⁻⁹

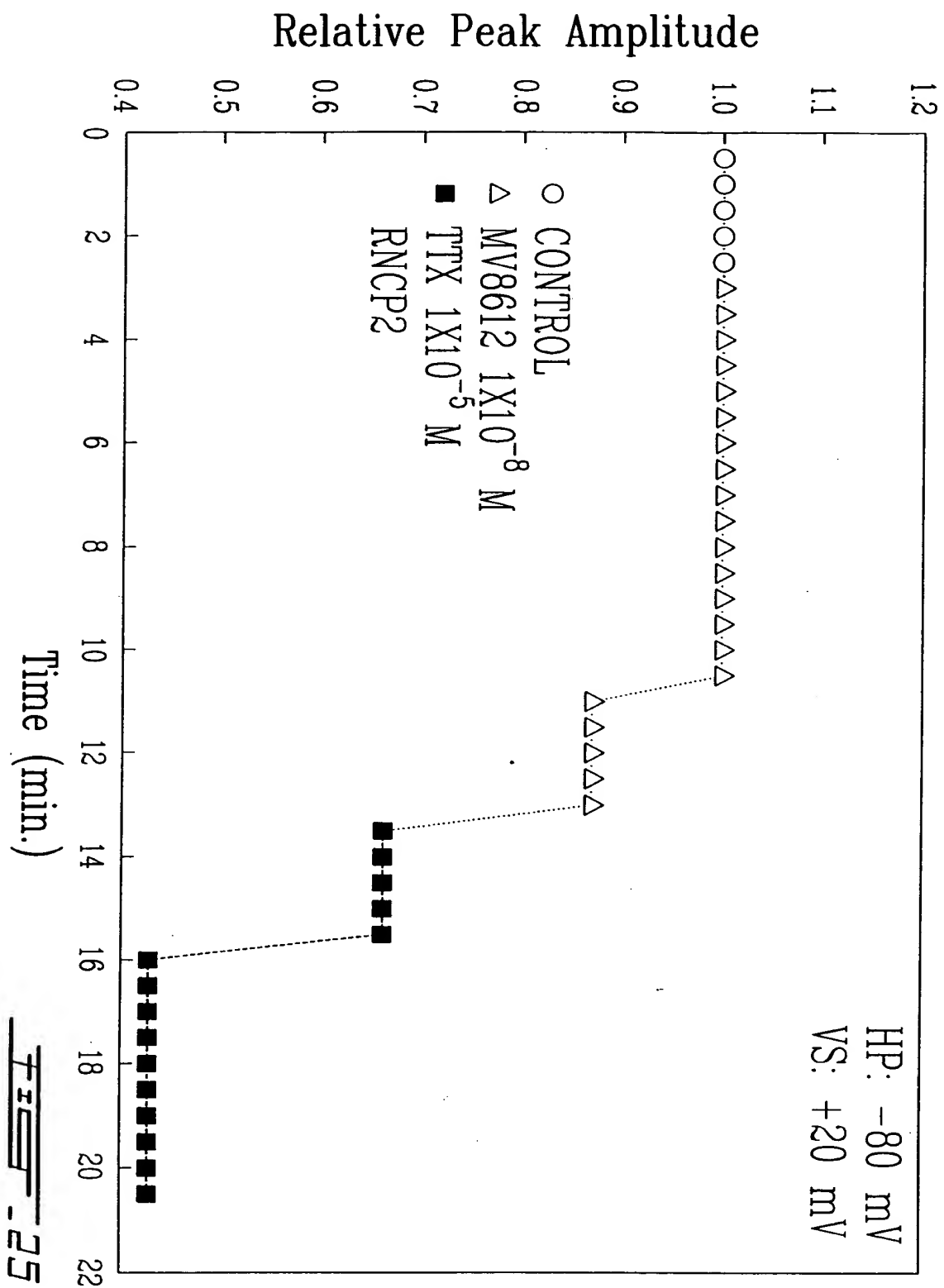
22:22

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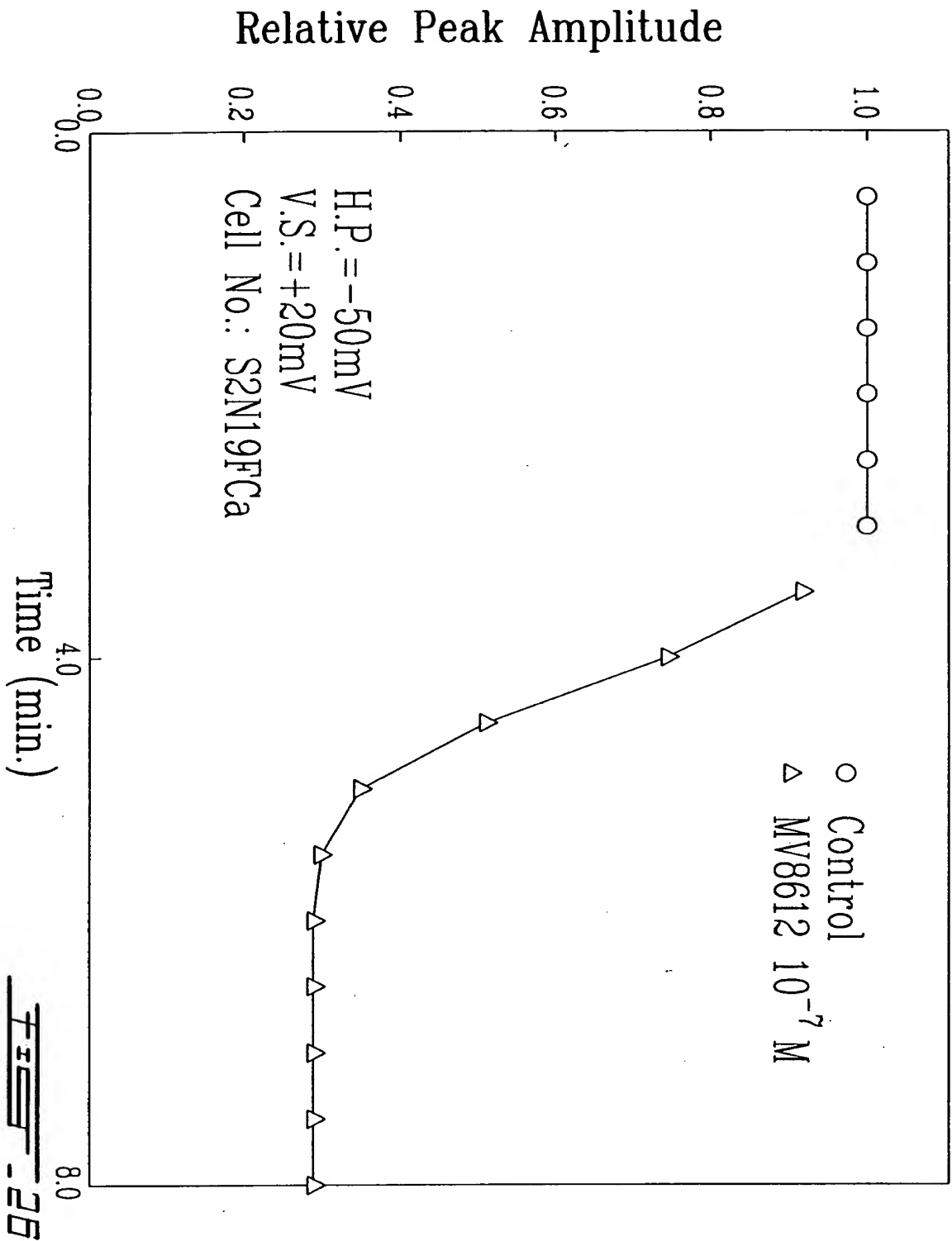




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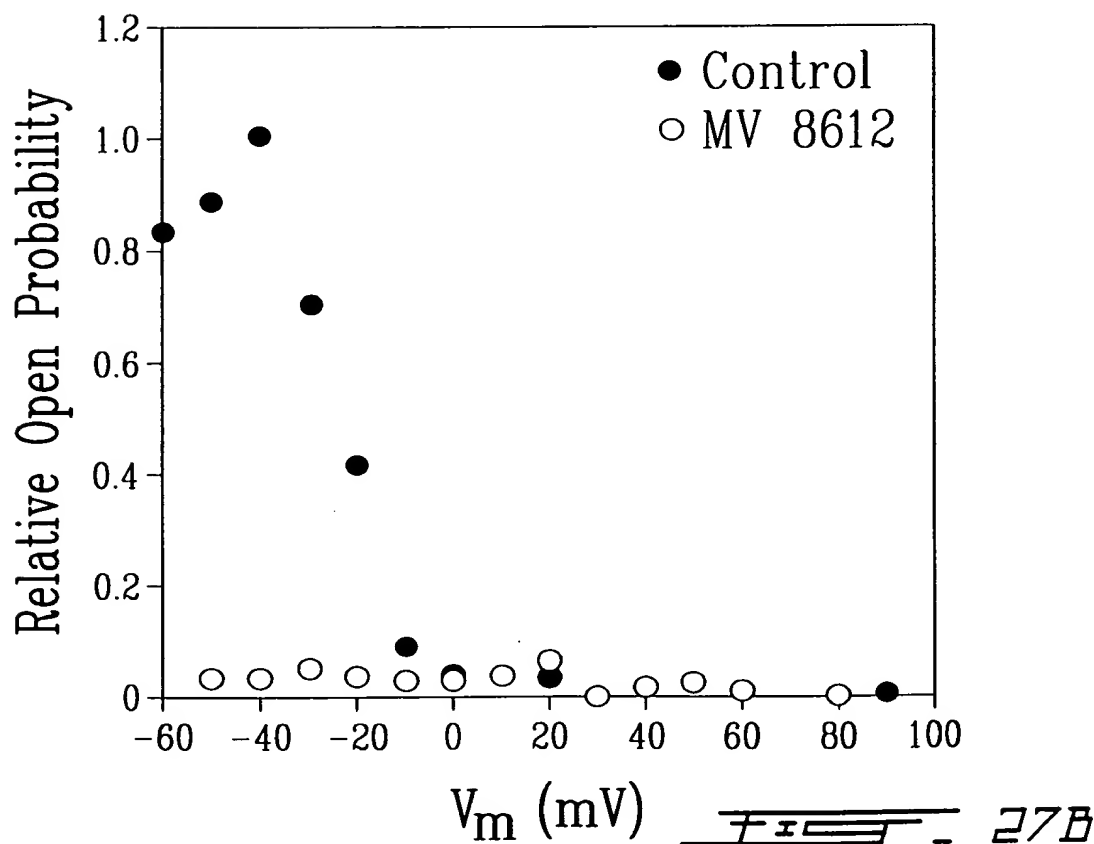
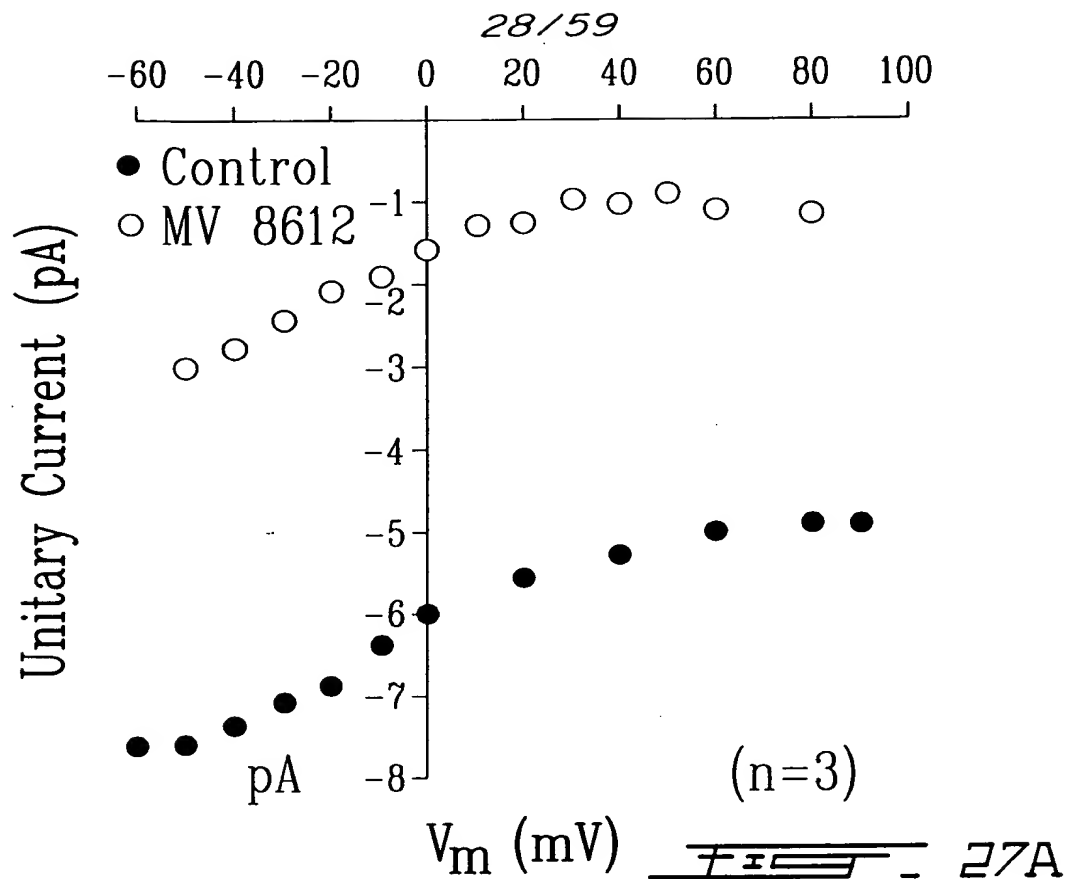
09509462 072000



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09503462 072000



Control

H.P. = -30mV



100 msec

MV8612 10^{-7} M (intrapipette)



27C

Control

H.P. = -30mV



100 msec

MV8612 10^{-7} M (extrapipette)



27D

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Control

H.P. = +10mV

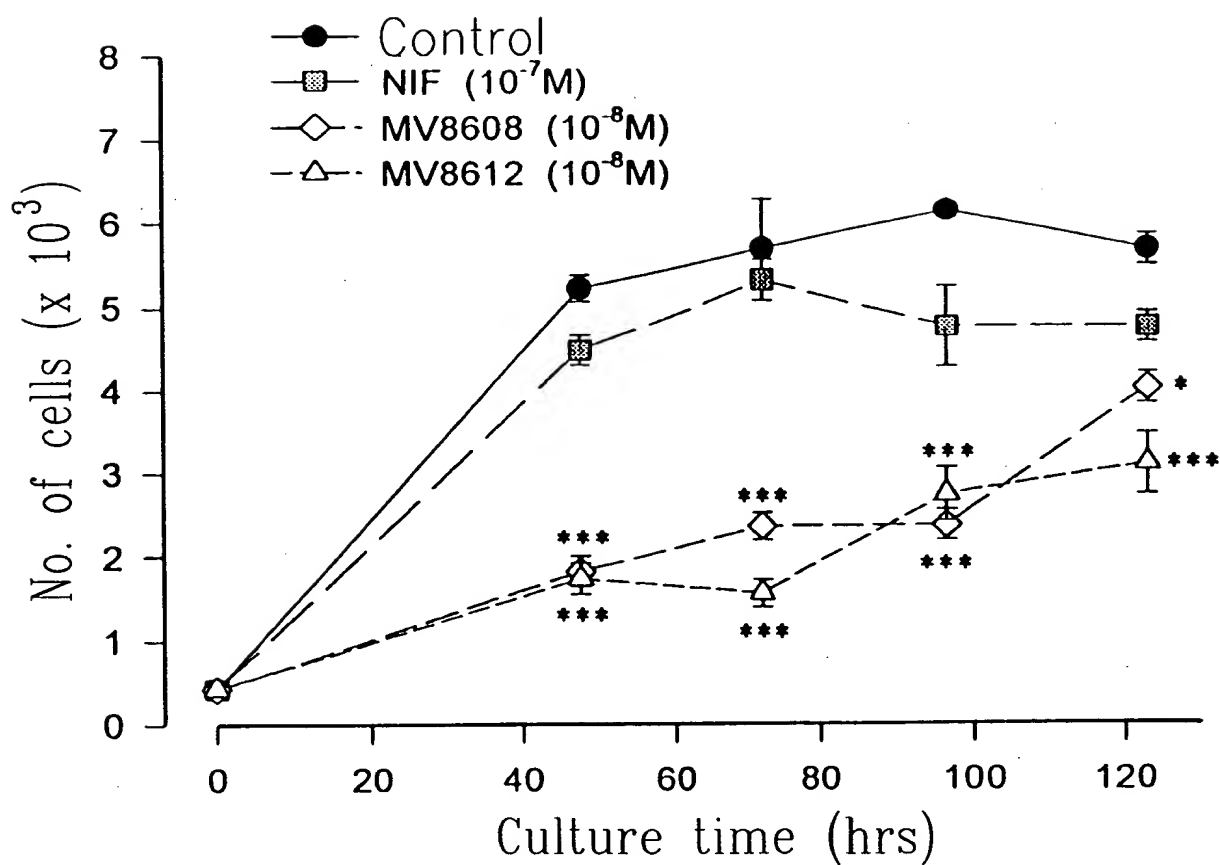


MV8612 10^{-7} M (extrapipette)



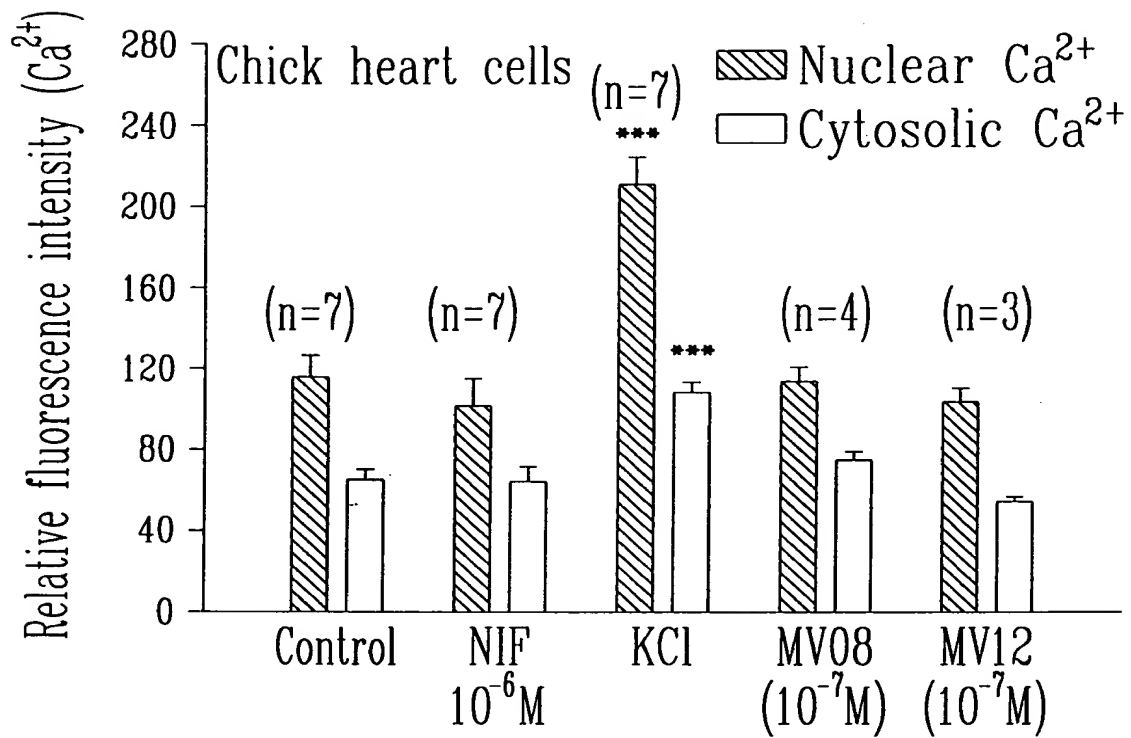
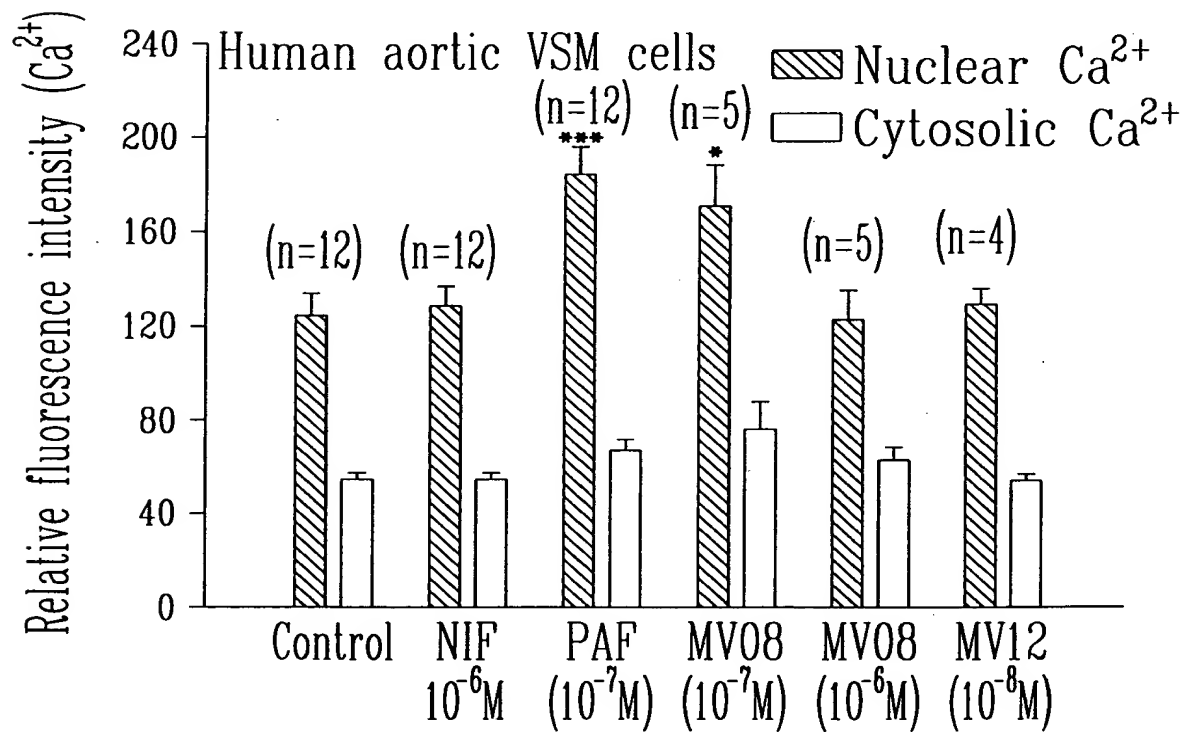
27E

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* $p < 0.05$ *** $p < 0.001$

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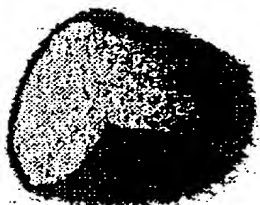
Figure 29AFigure 29B

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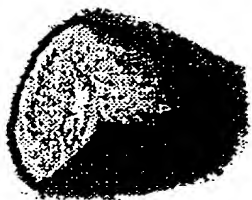
Chick heart cells



Control



NIF $10^{-6}M$



KCl



MV08 $10^{-7}M$



Nuclear staining

Human aortic VSM cells



Control



NIF $10^{-6}M$



PAF $10^{-7}M$



MV12 $10^{-8}M$

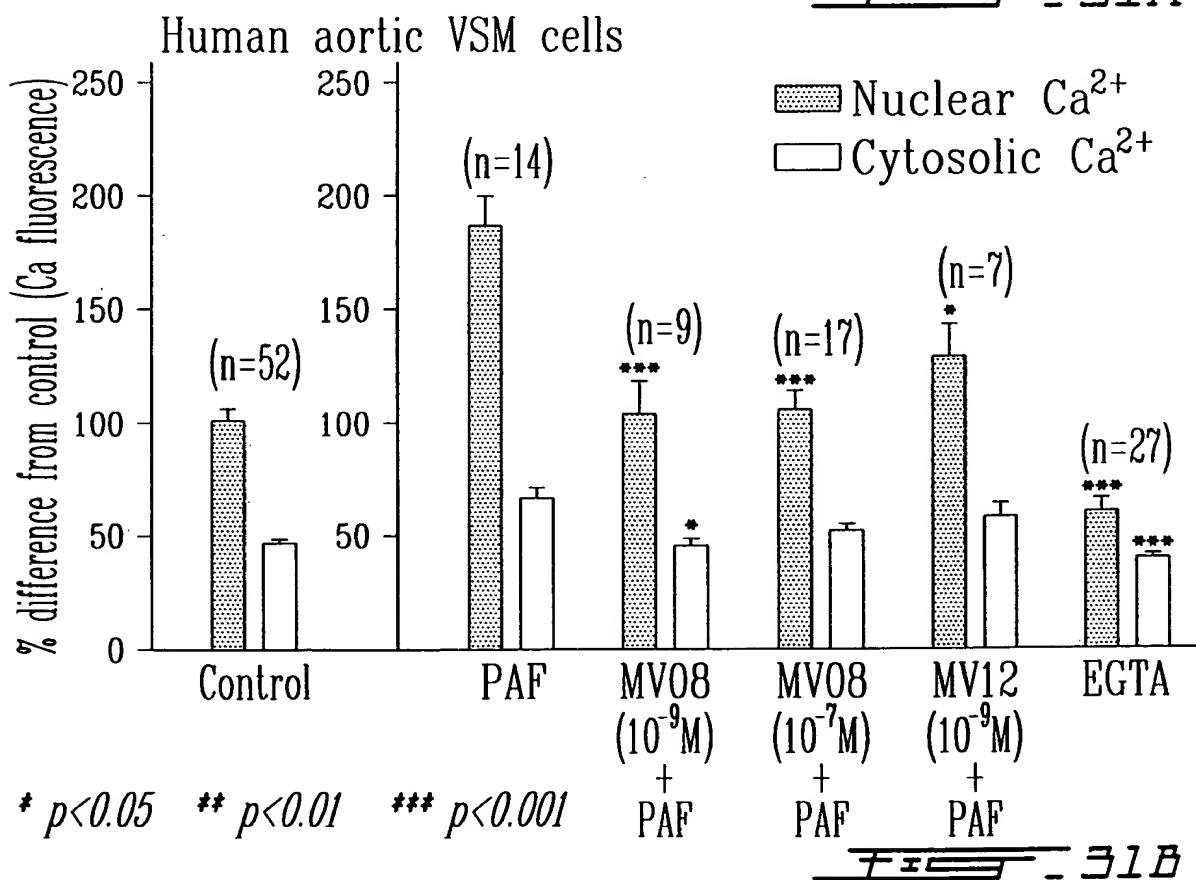
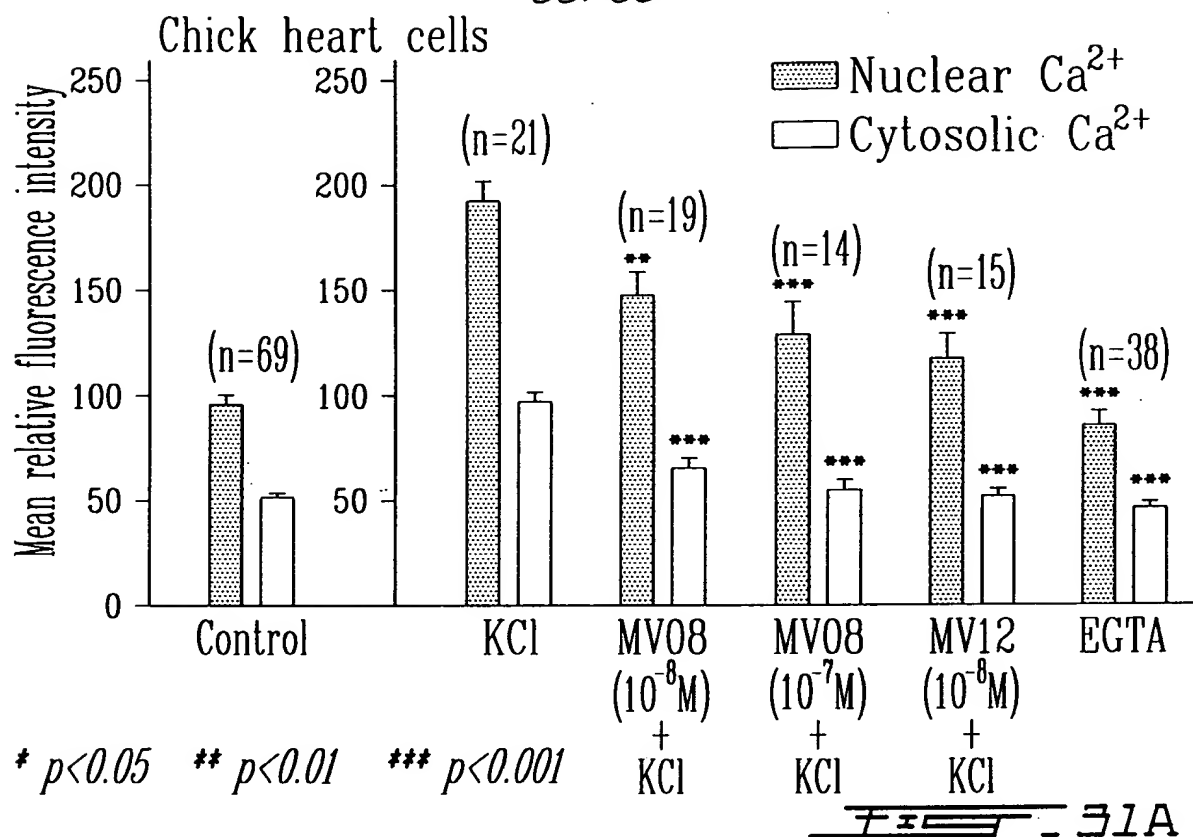


0

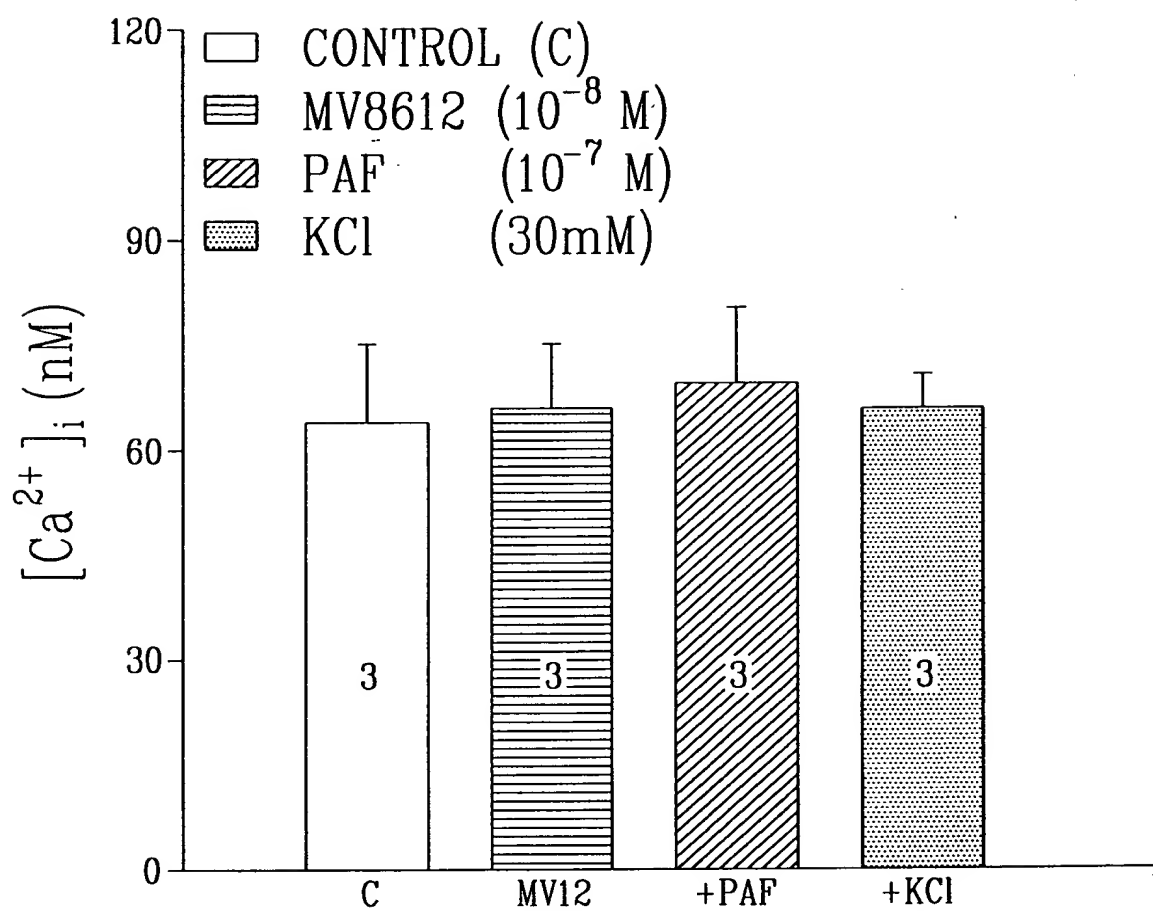
255

Fig. 30

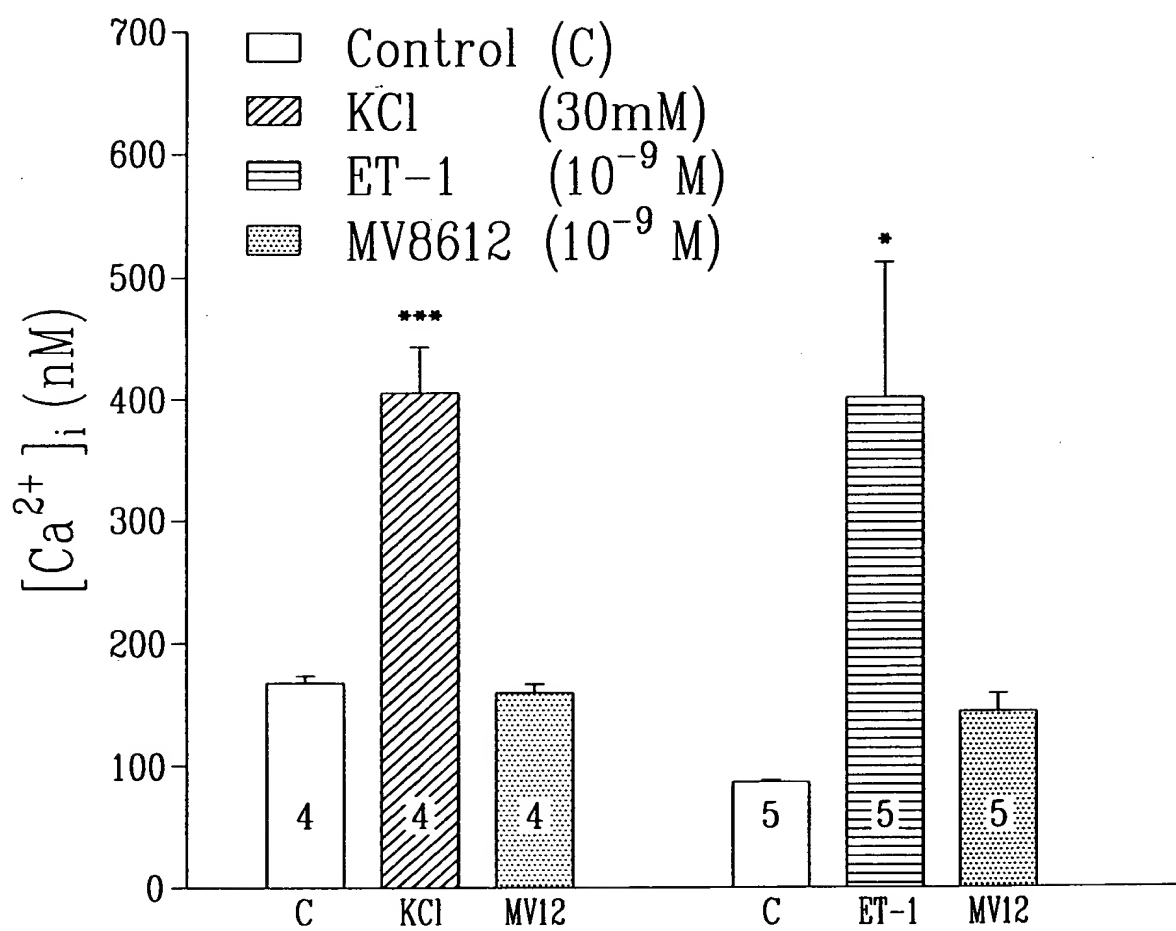
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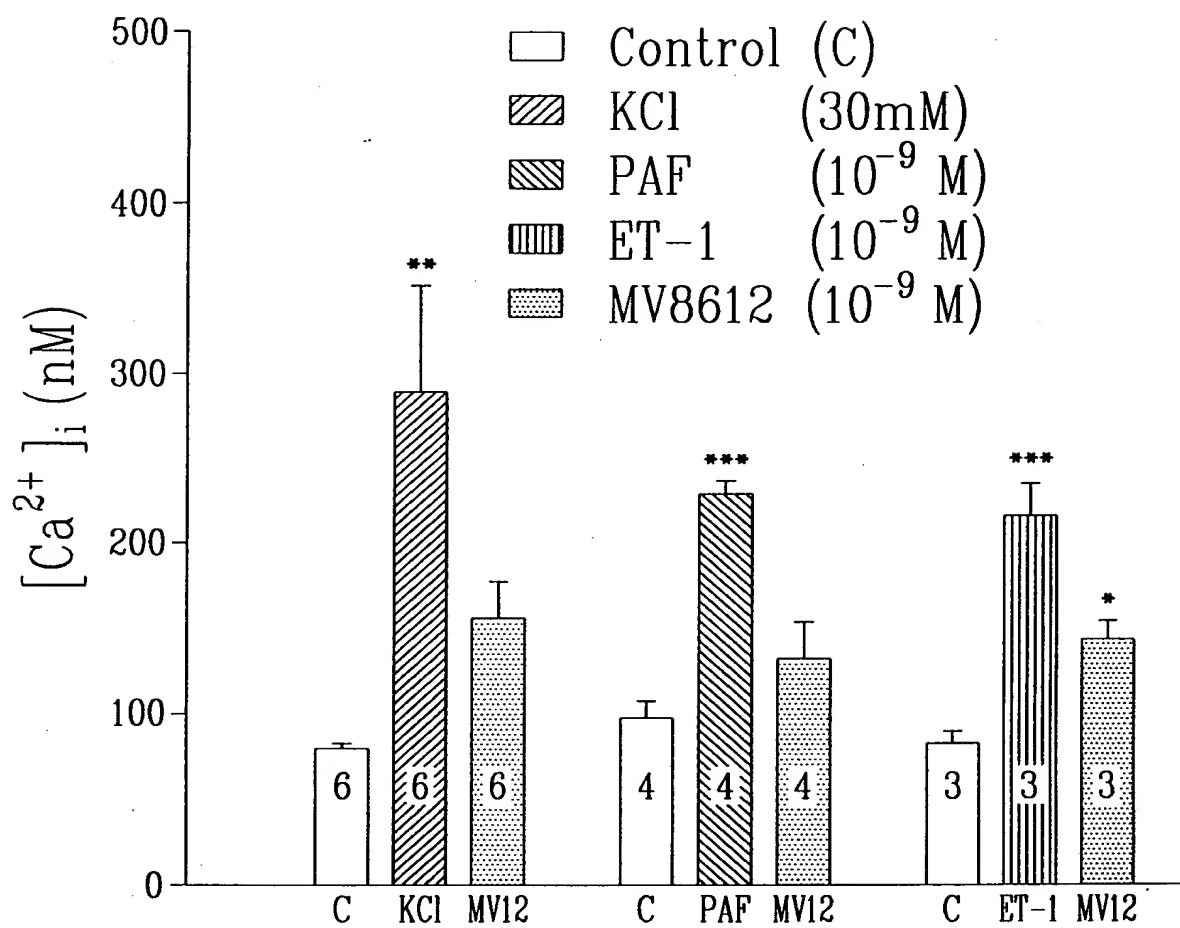
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Fig. 32

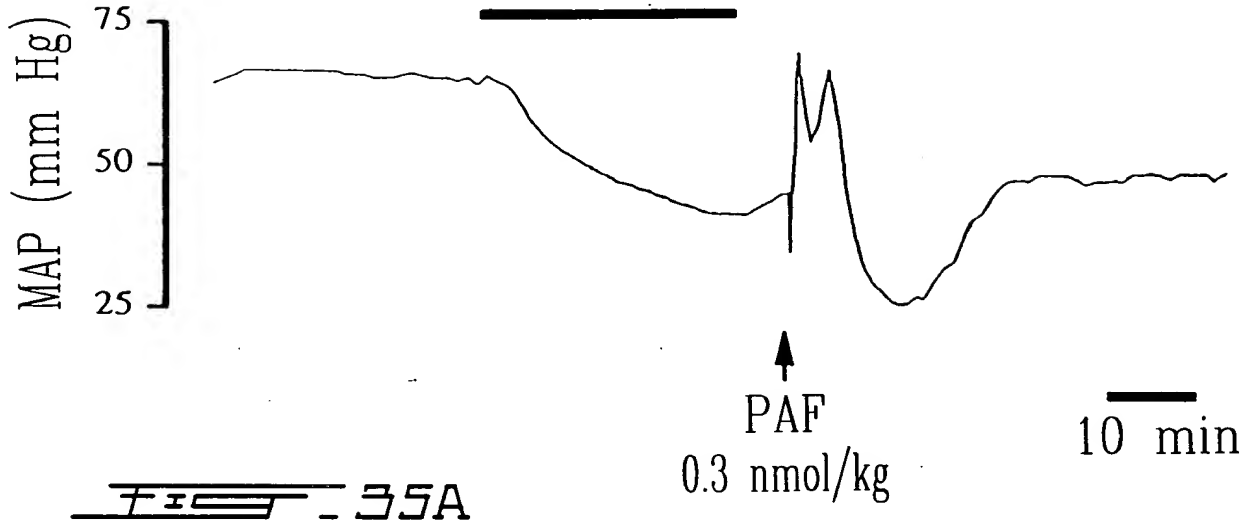
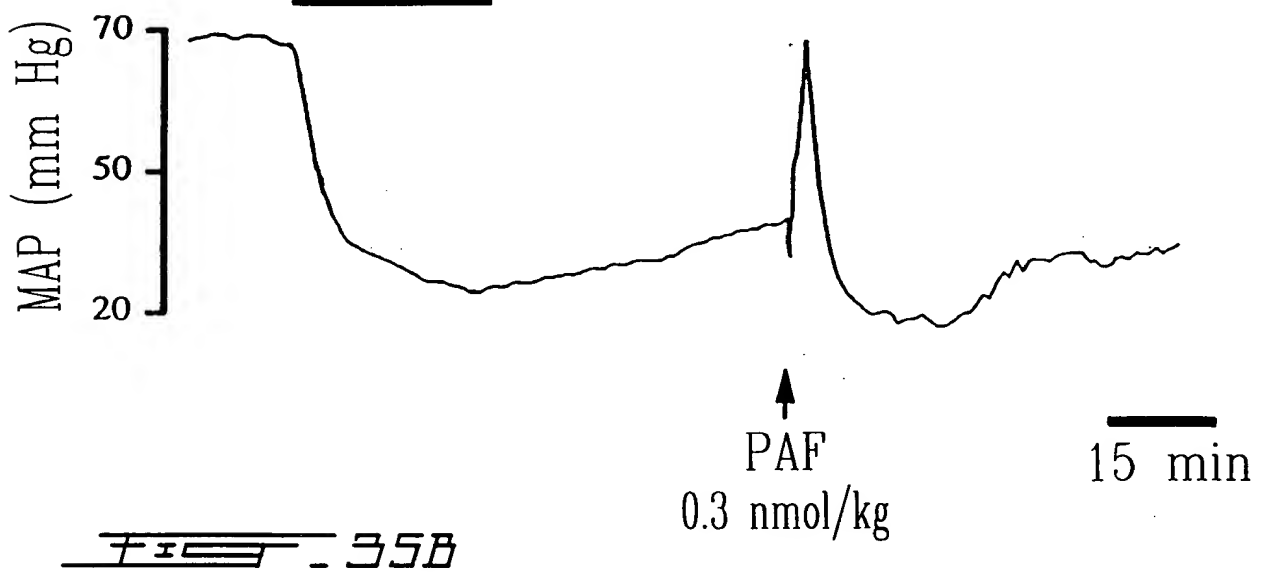
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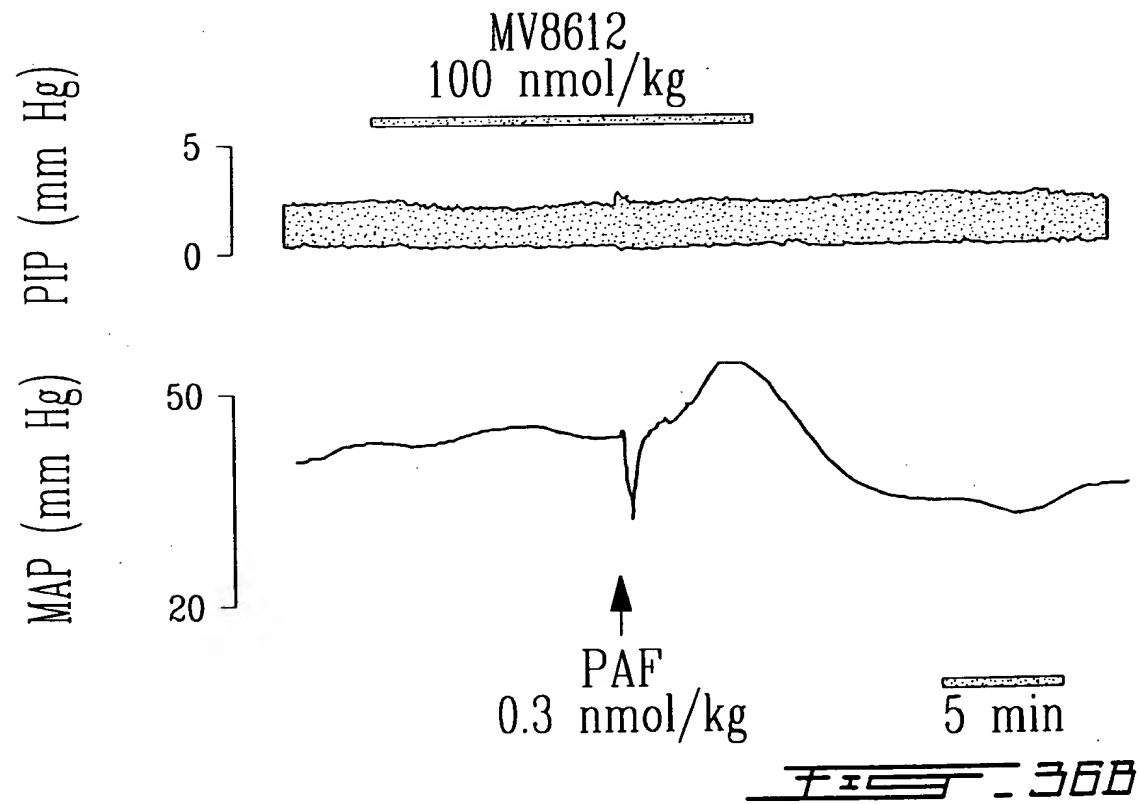
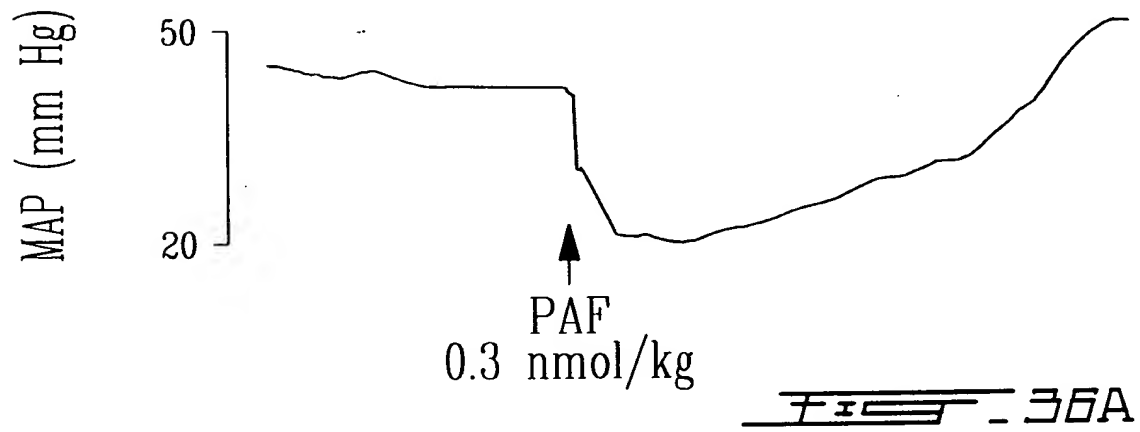
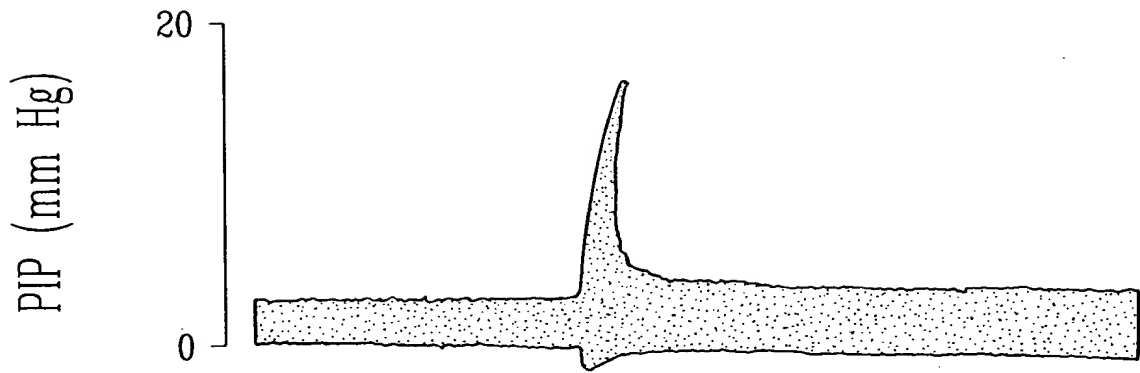
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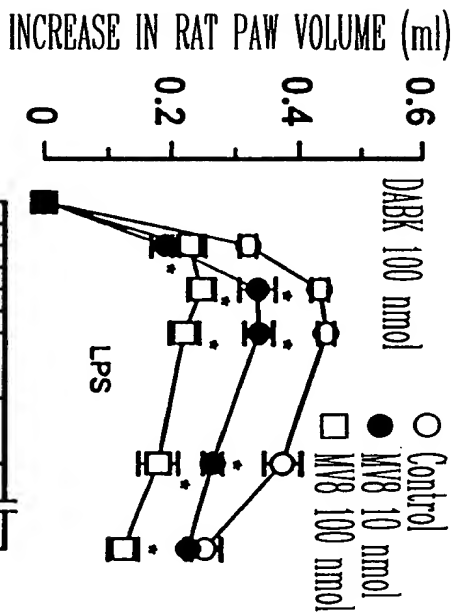


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Nifedipine
100 nmol/kgIsradipine
100 nmol/kg

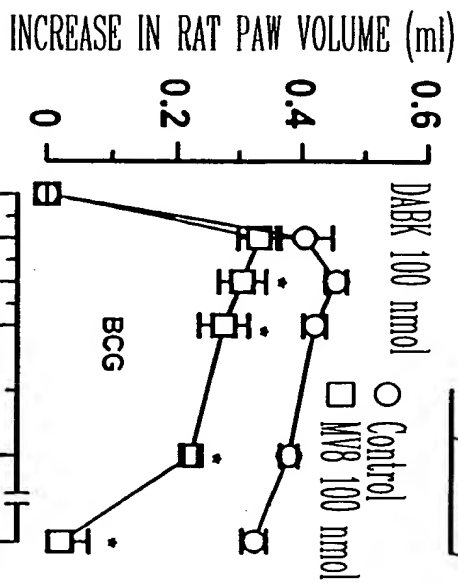
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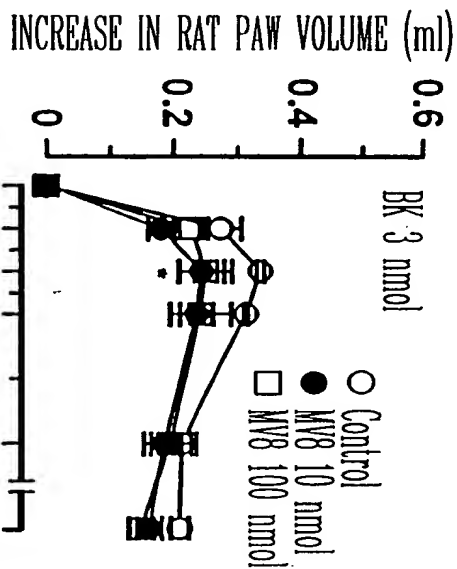
TIME AFTER INJECTION (min)

Fig. 37A



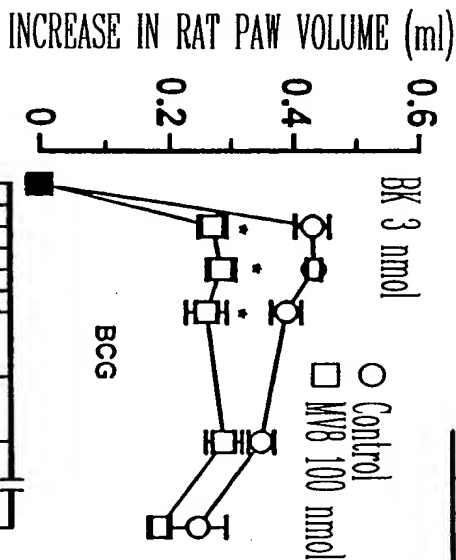
TIME AFTER INJECTION (min)

Fig. 37C



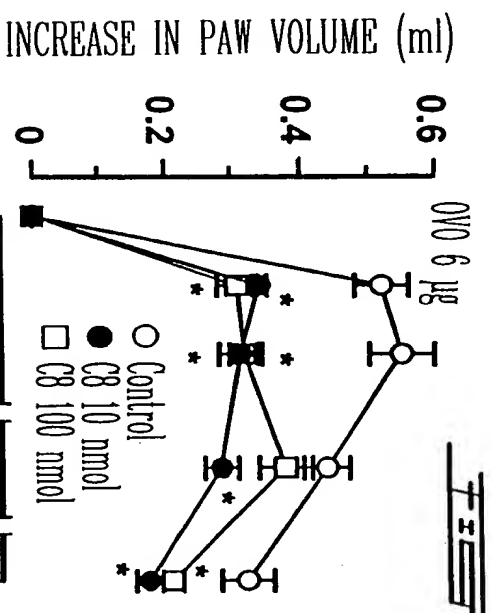
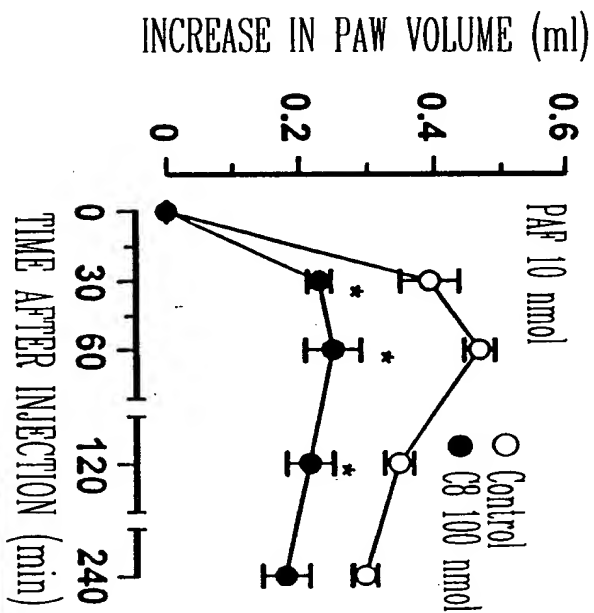
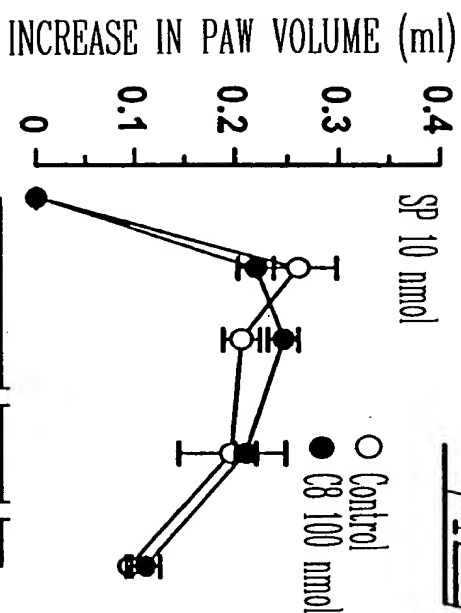
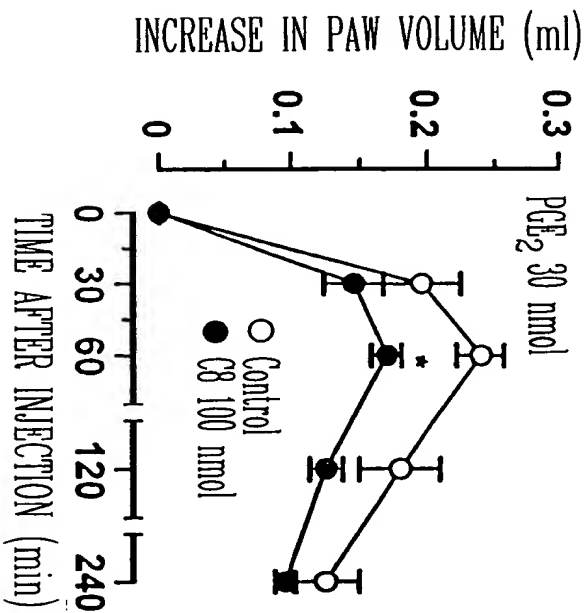
TIME AFTER INJECTION (min)

Fig. 37B



TIME AFTER INJECTION (min)

Fig. 37D



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09509462 072000

Fig. 3BC

Fig. 3BD

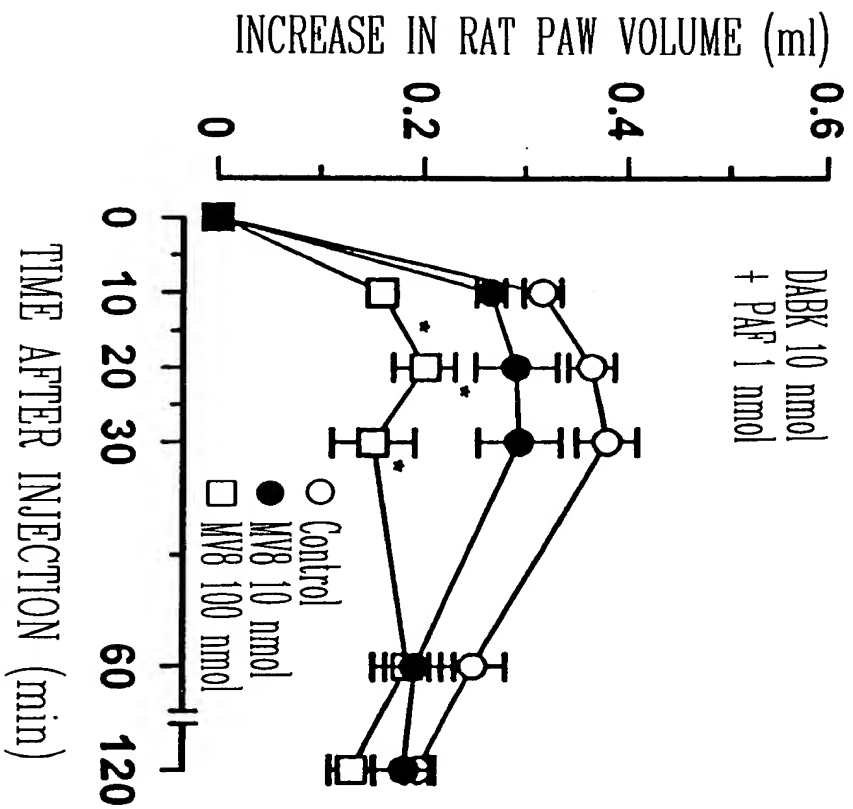


Fig. 39A

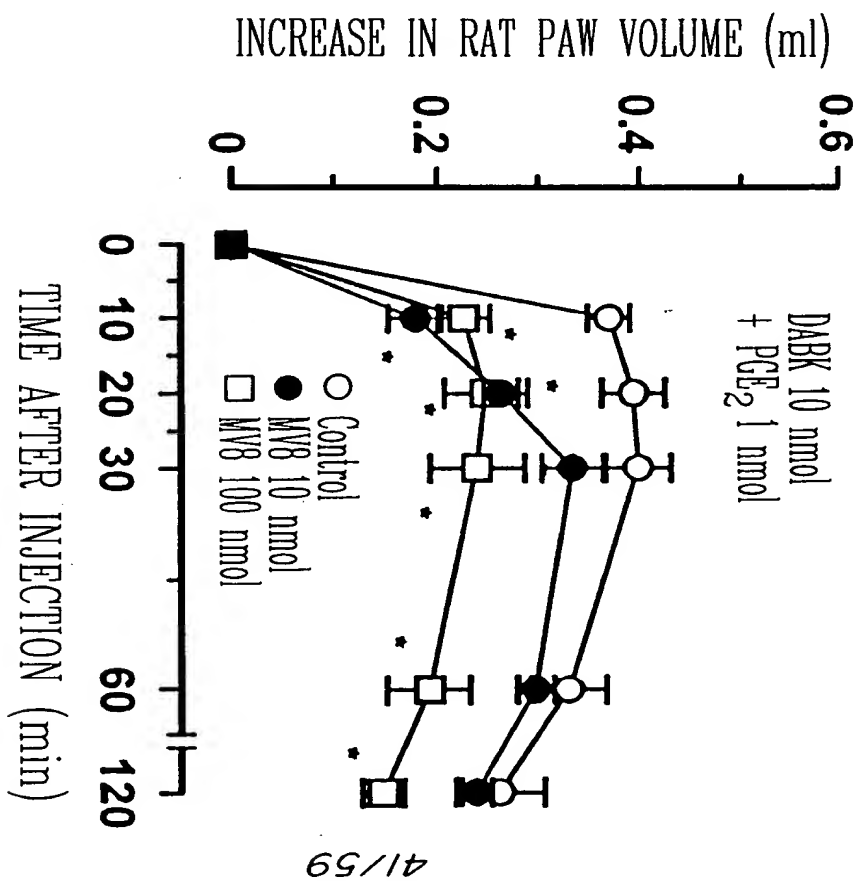
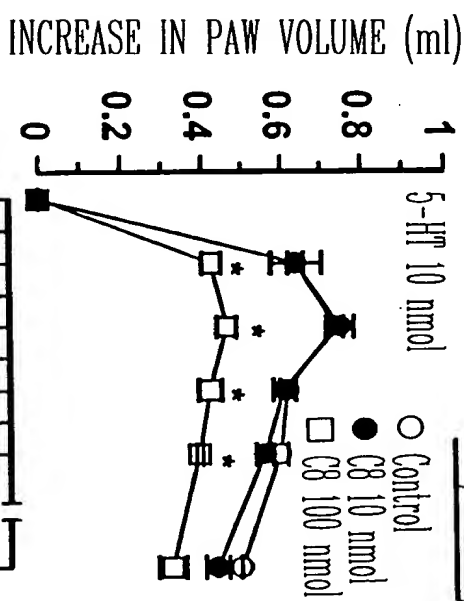
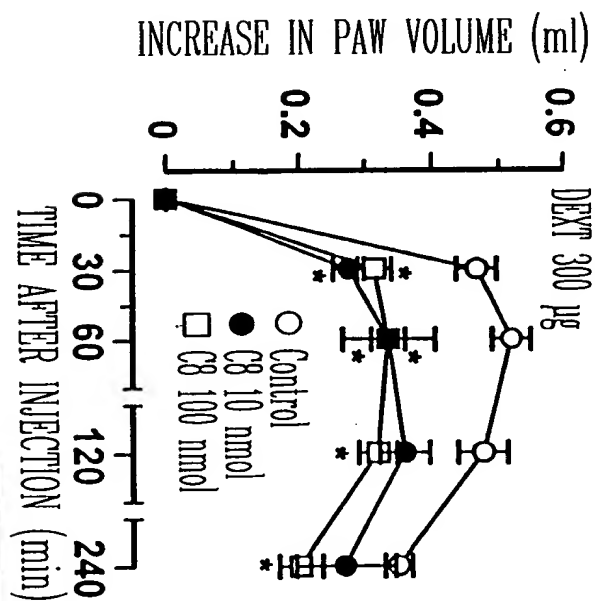
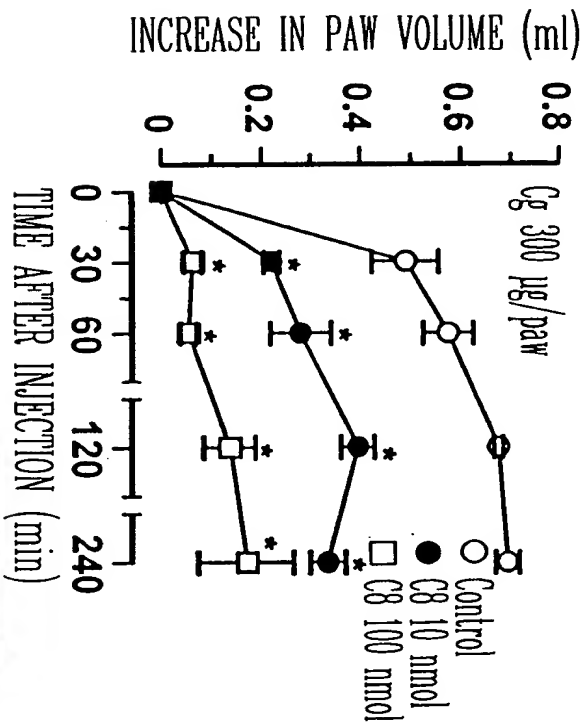


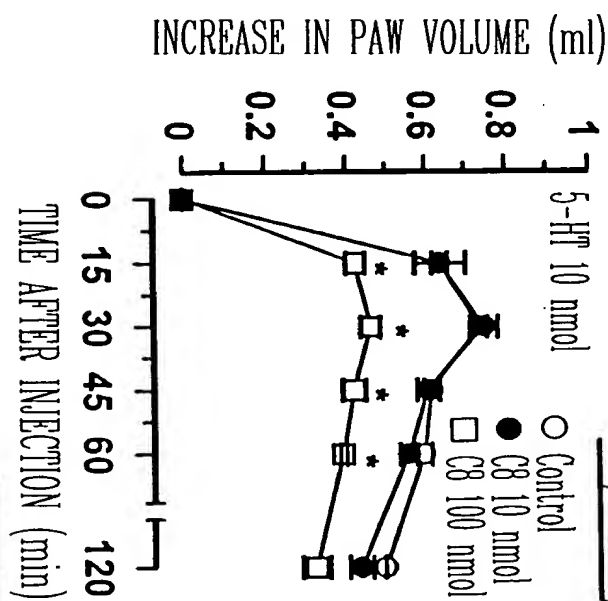
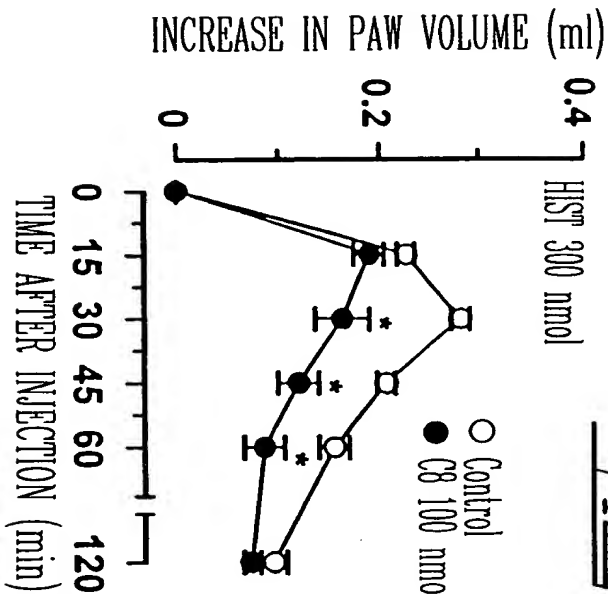
Fig. 39B

09505466 020000

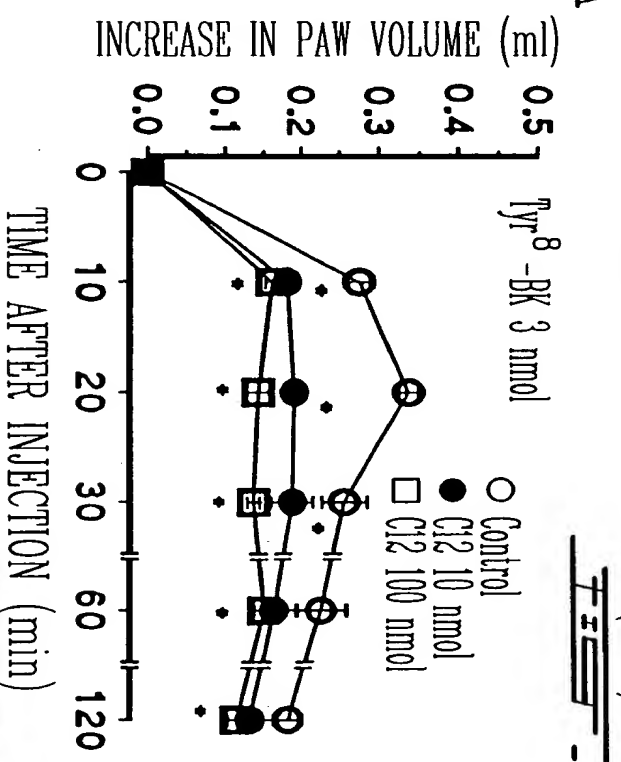
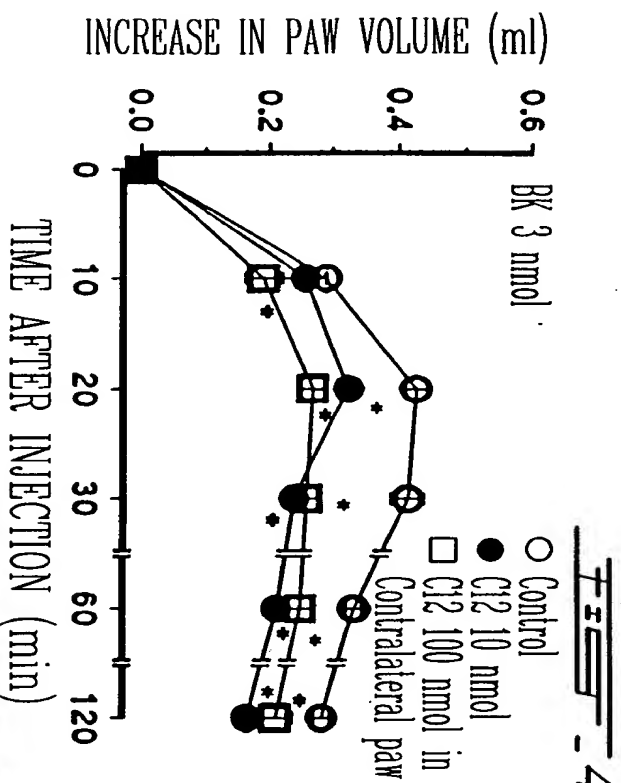
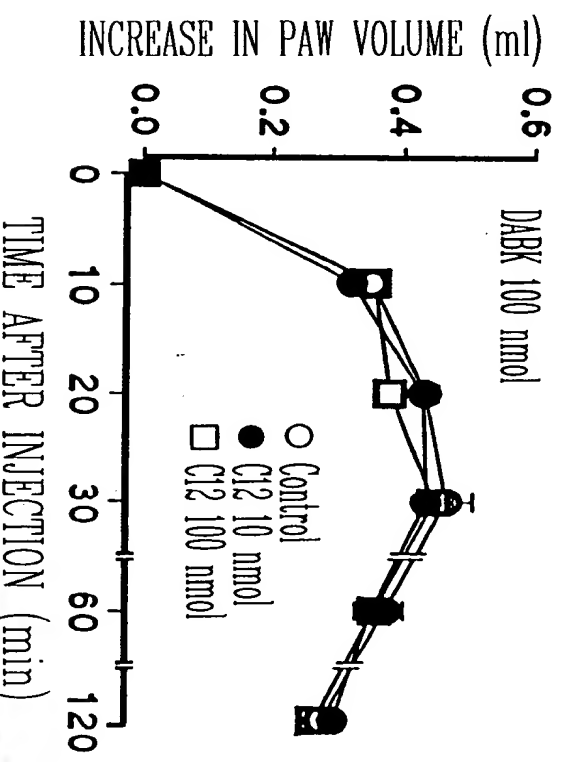
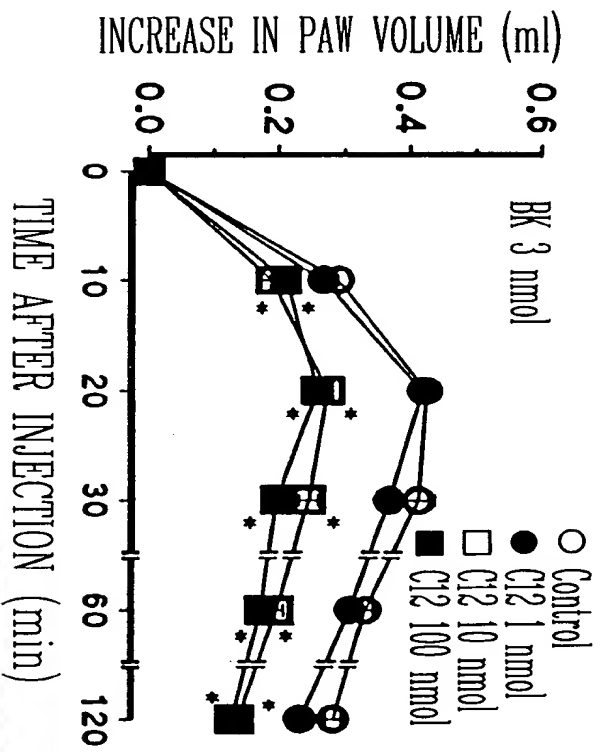
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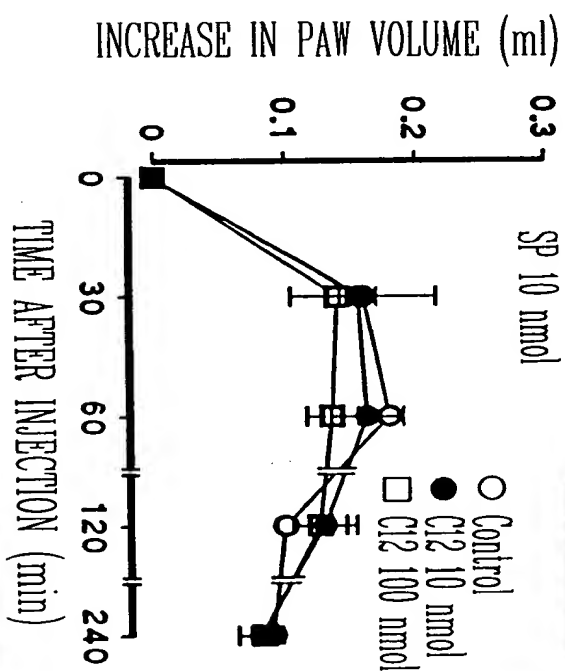
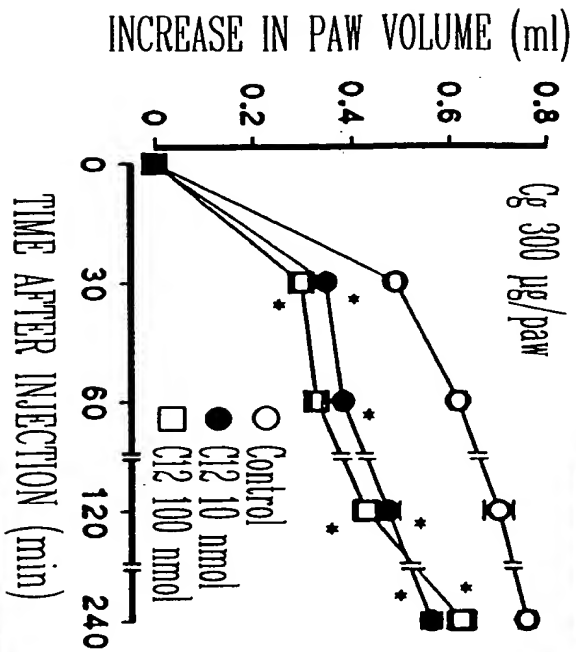
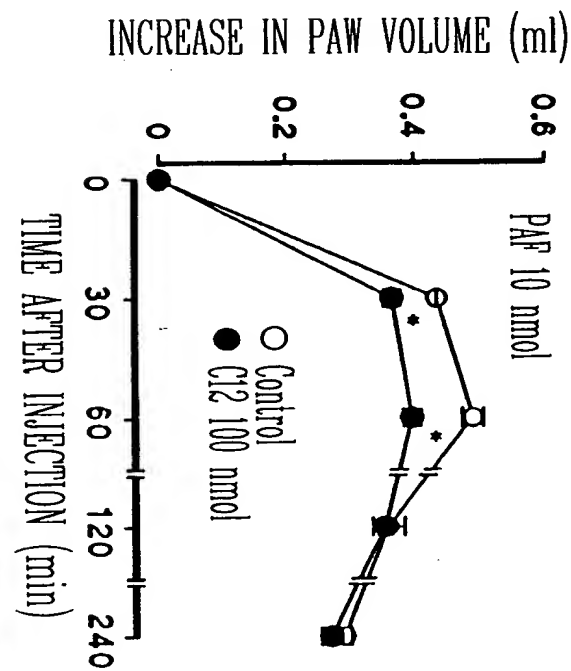
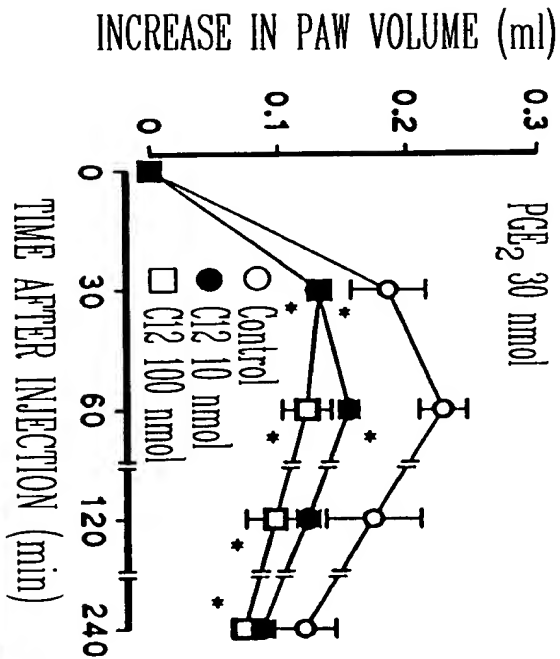
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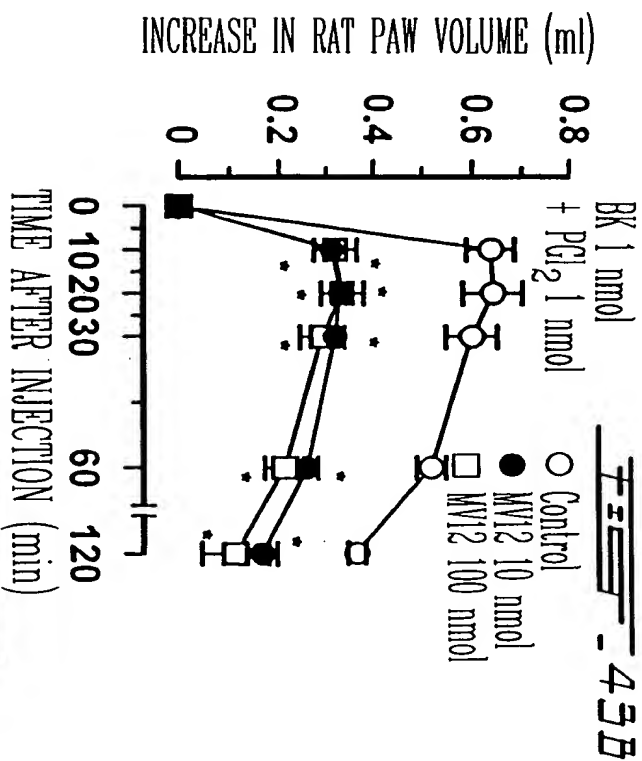
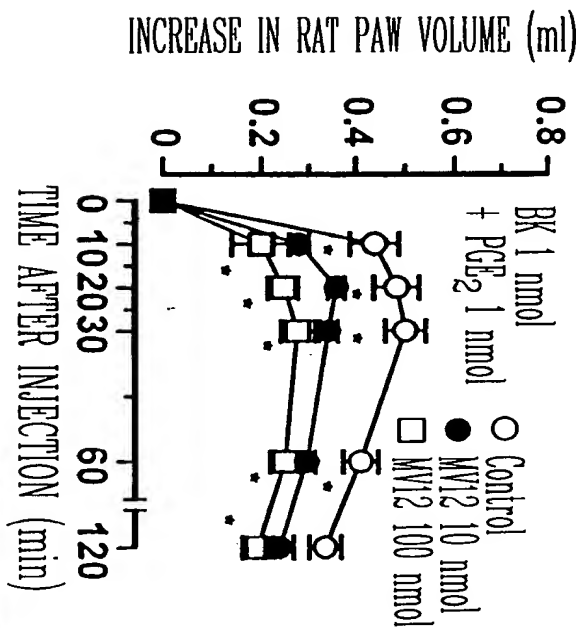
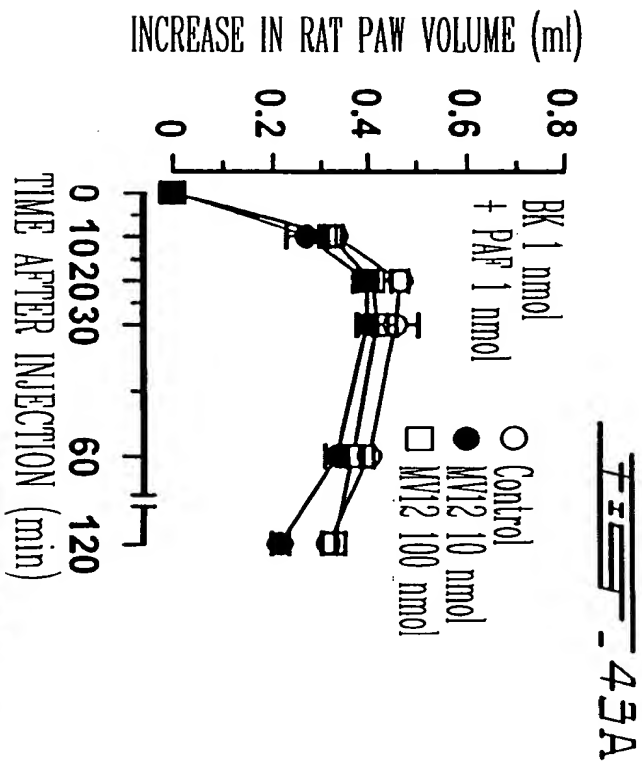
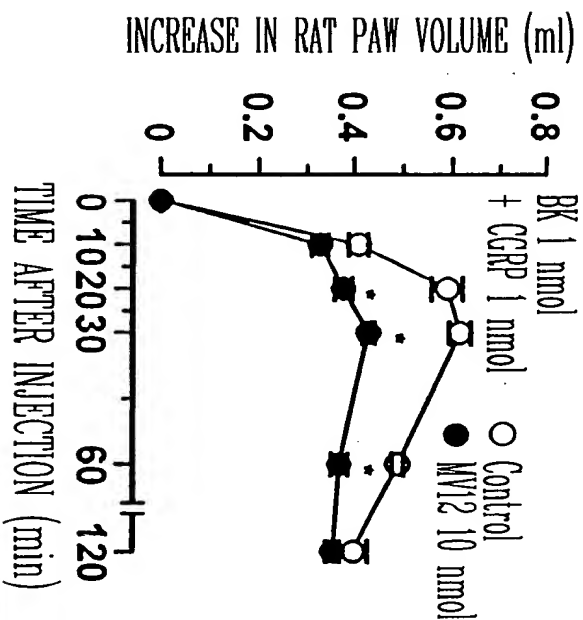
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Fig. 42C

Fig. 42D

Fig. 42A

Fig. 42B



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● INCREASE IN PAW VOLUME (ml) ●

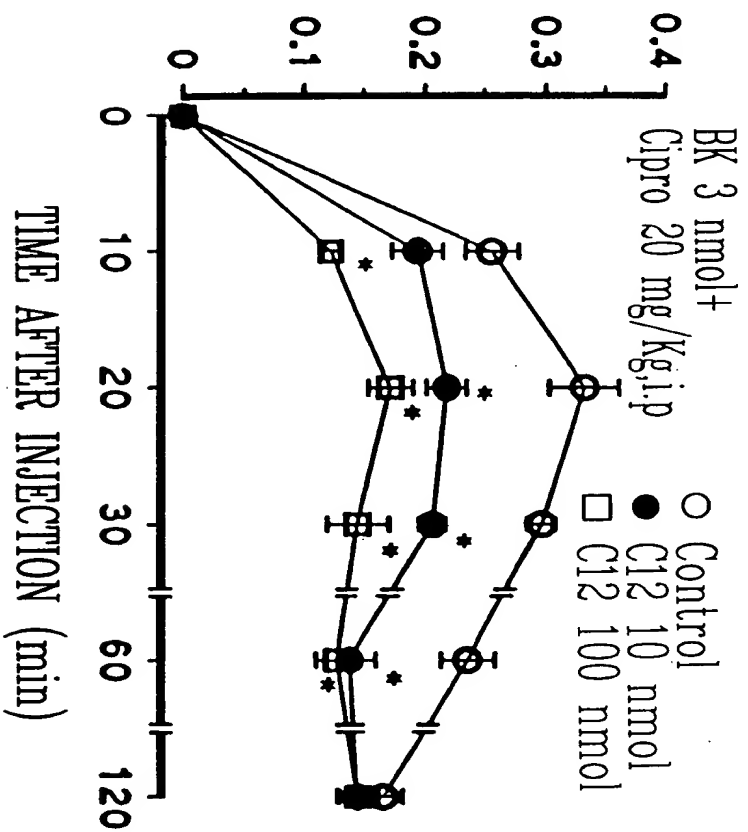


Fig. 44A

INCREASE IN PAW VOLUME (ml)

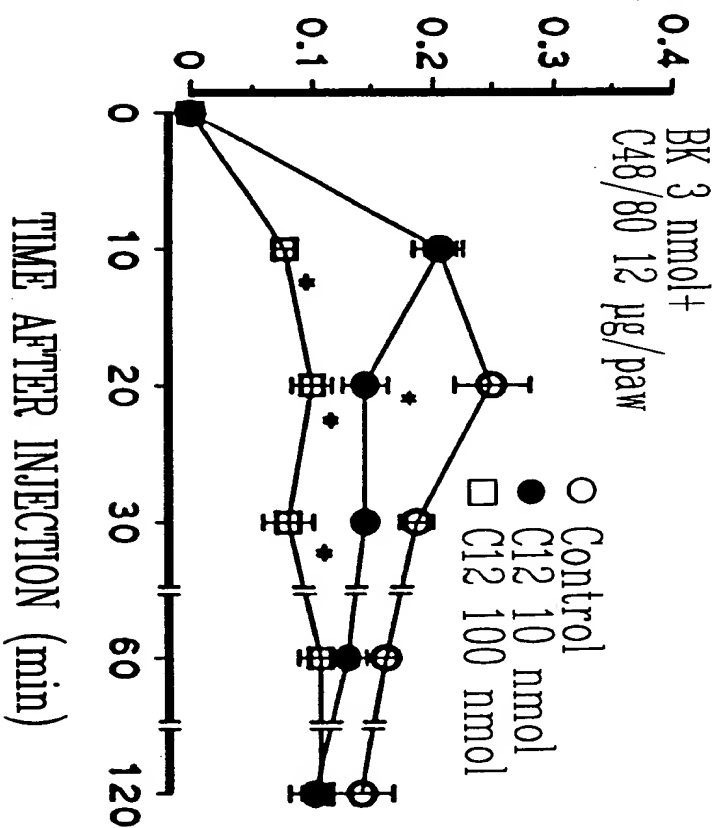
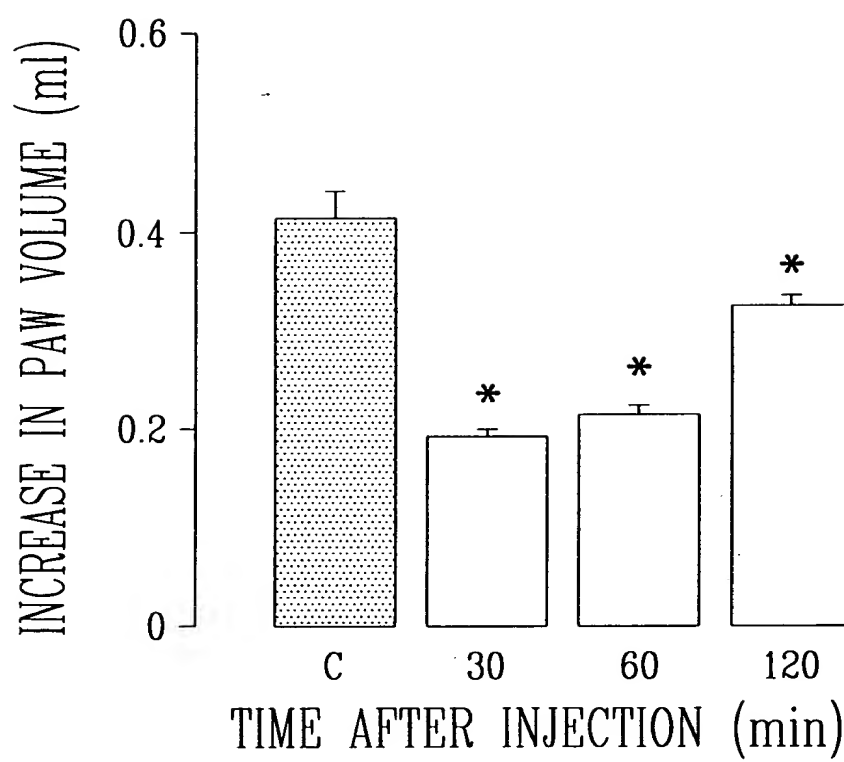


Fig. 44B

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Fig. 45

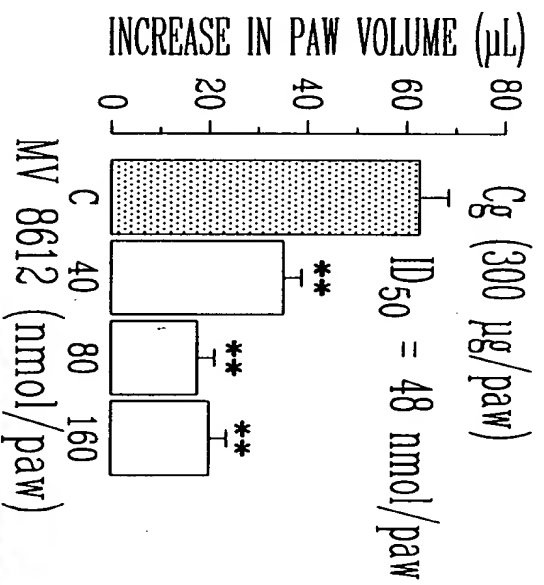
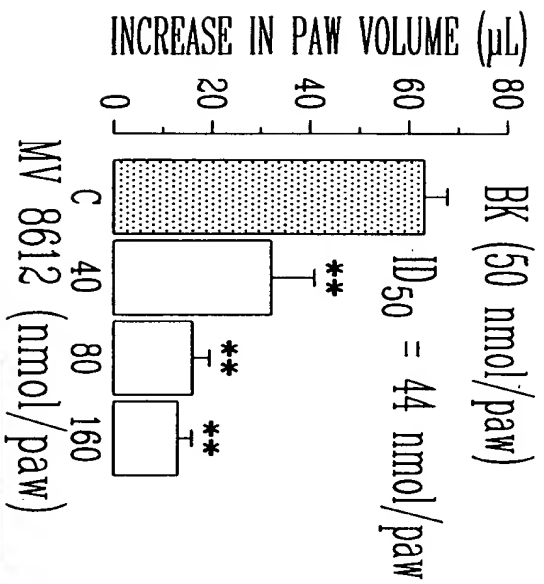


Fig. 45A

Fig. 45B

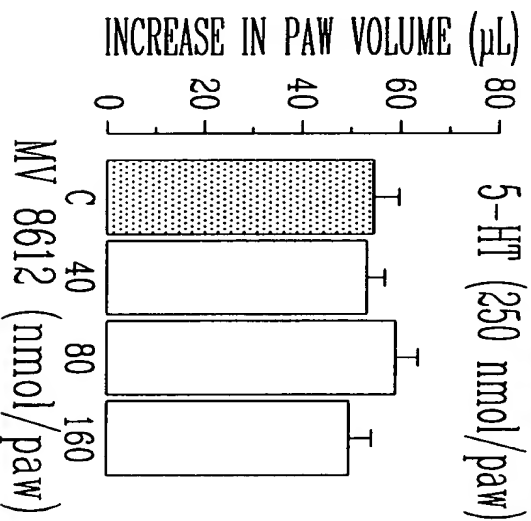
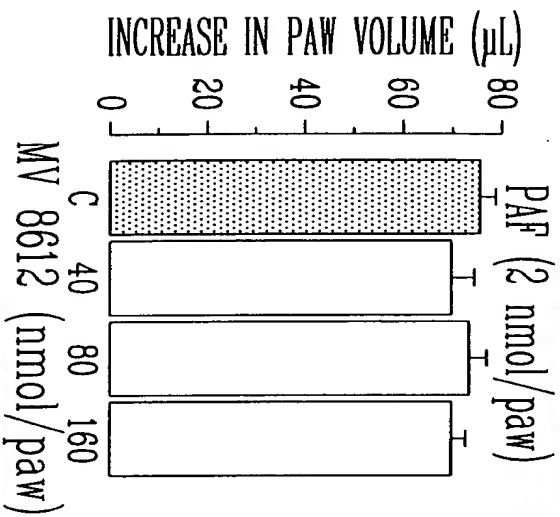


Fig. 45C

Fig. 45D

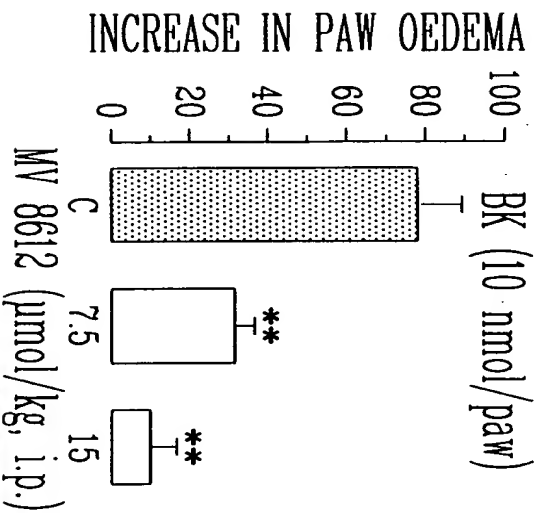


FIG. 47A

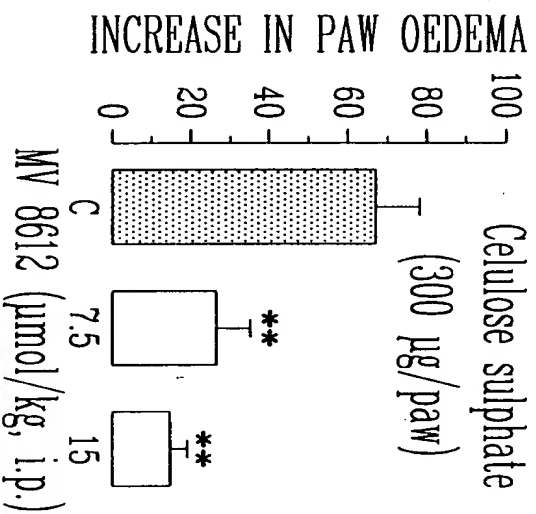


FIG. 47B

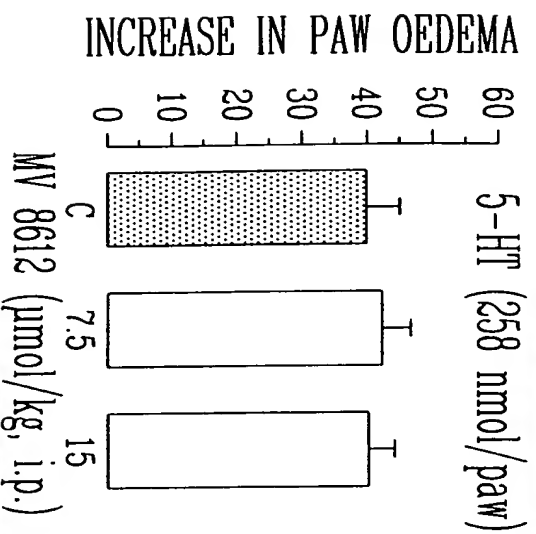


FIG. 47C

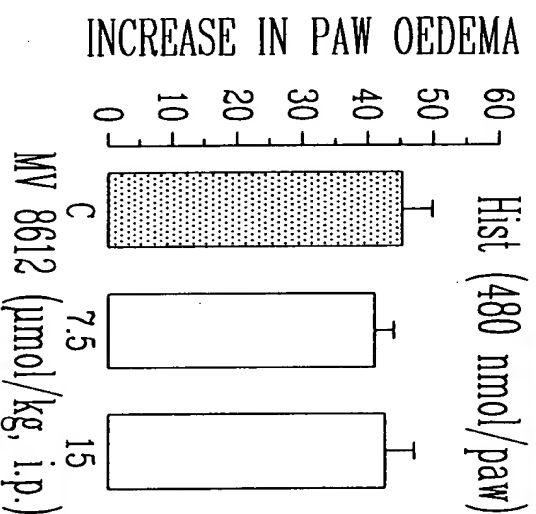
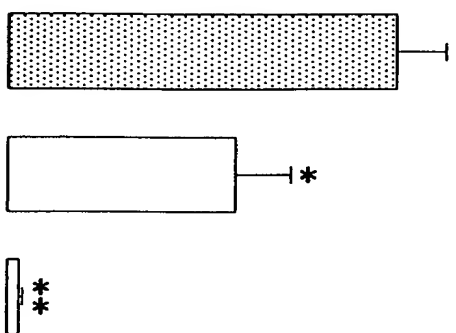


FIG. 47D

INCREASE IN PAW VOLUME (μ l)

0 10 20 30 40 50 60

HIST 400 nmol/paw



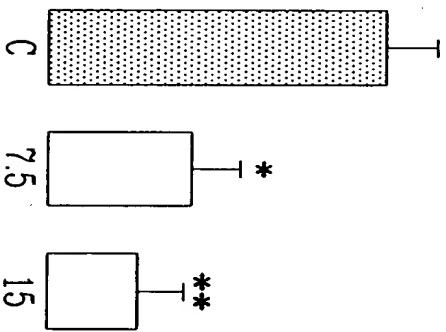
MV 8608 (μ mol/kg, i.p.)

FIG. 4BA

INCREASE IN PAW VOLUME (μ l)

0 10 20 30 40 50 60

5-HT 258 nmol/paw



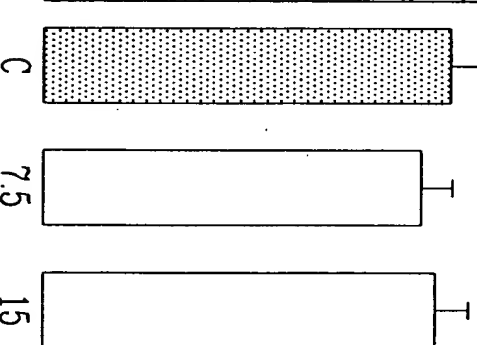
MV 8608 (μ mol/kg, i.p.)

FIG. 4BB

INCREASE IN PAW VOLUME (μ l)

0 20 40 60 80 100

BK 10 nmol/paw

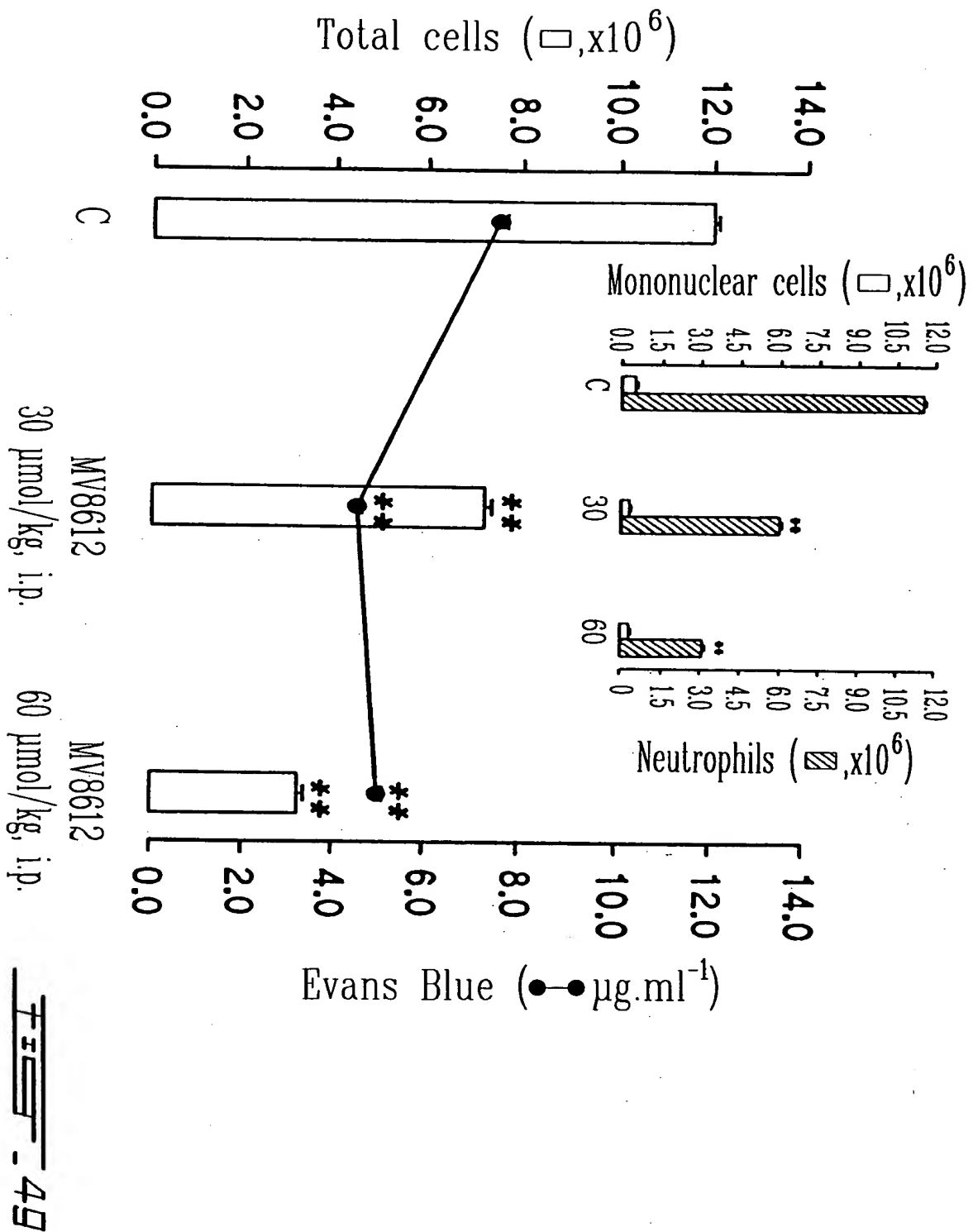


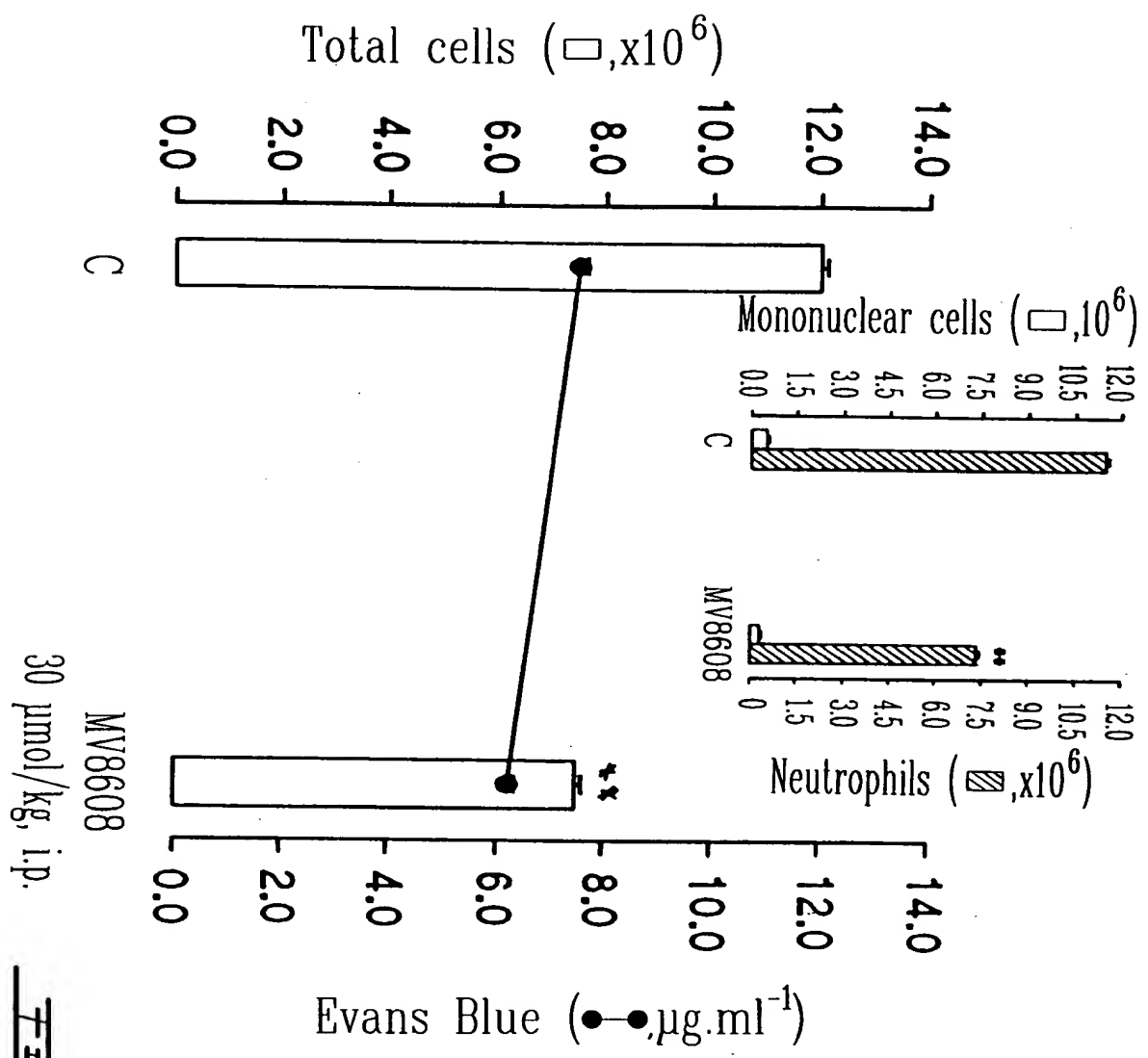
MV 8608 (μ mol/kg, i.p.)

FIG. 4BC

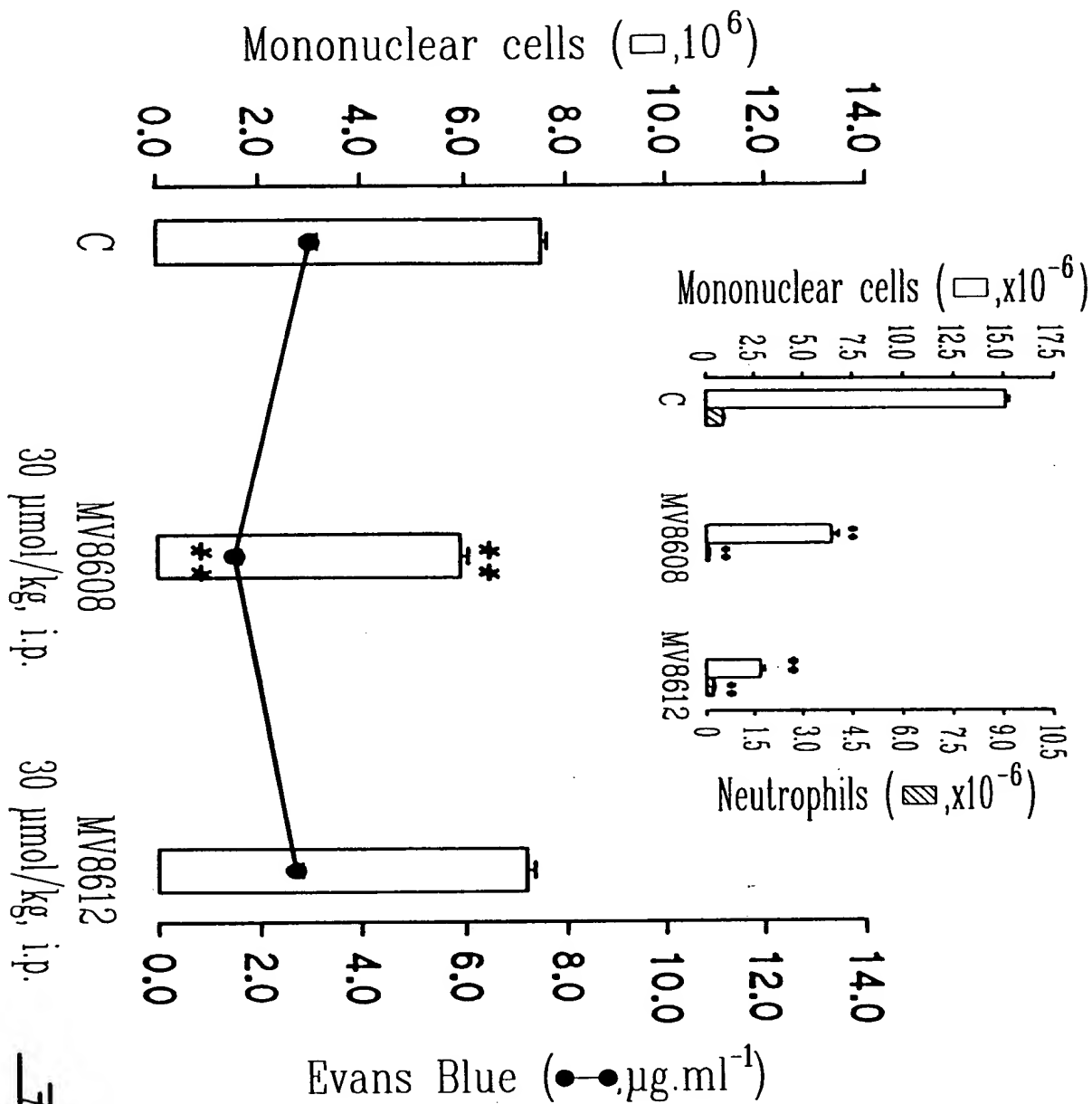
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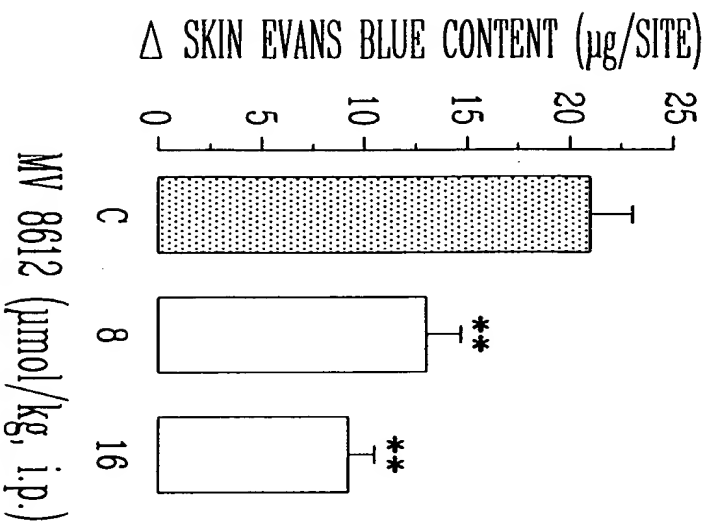


Fig. 52A

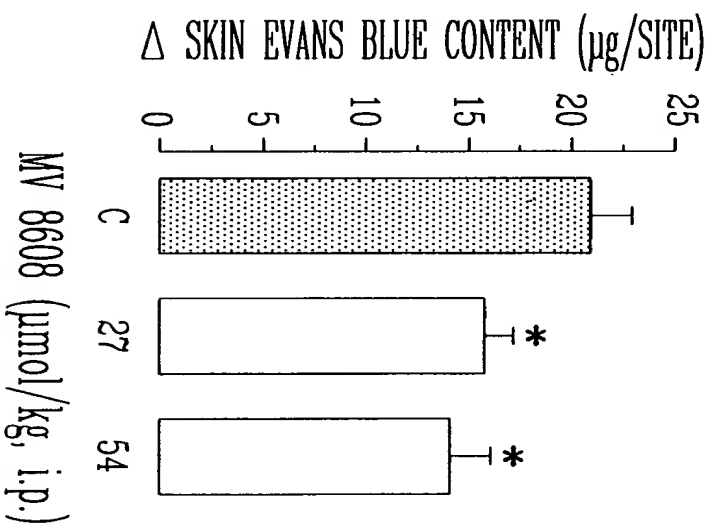


Fig. 52B

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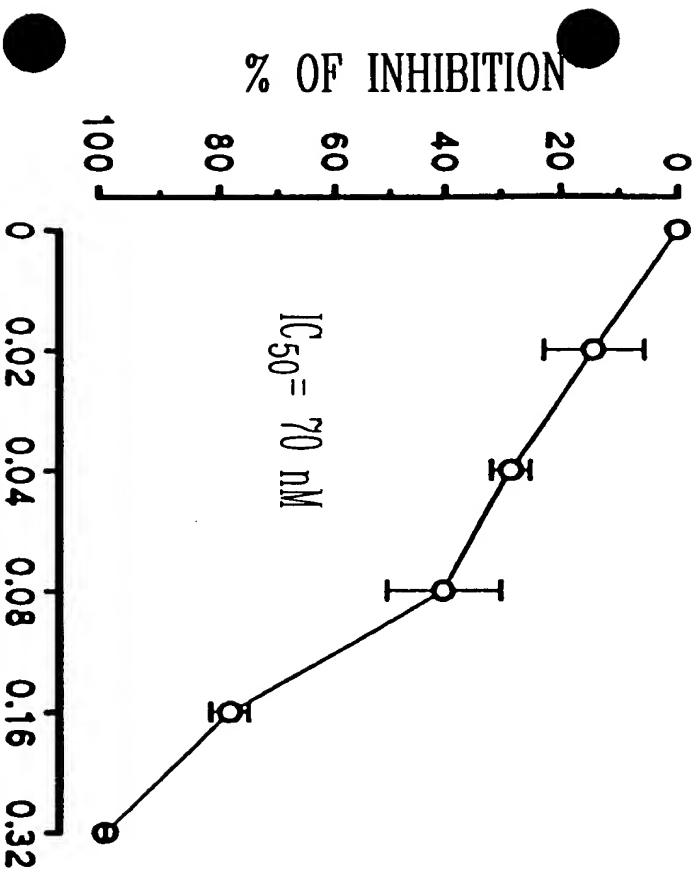


Fig. 53A

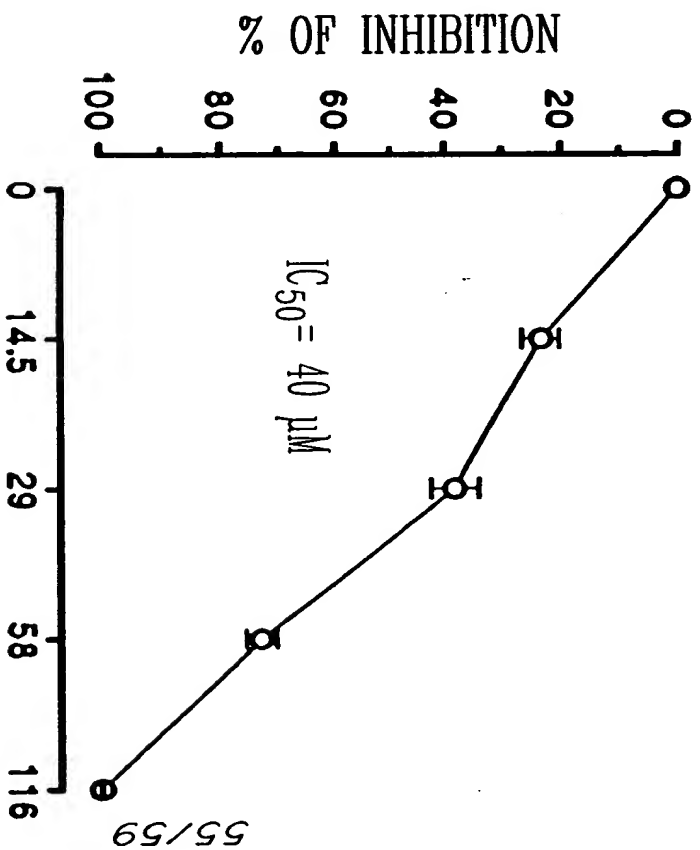


Fig. 53B

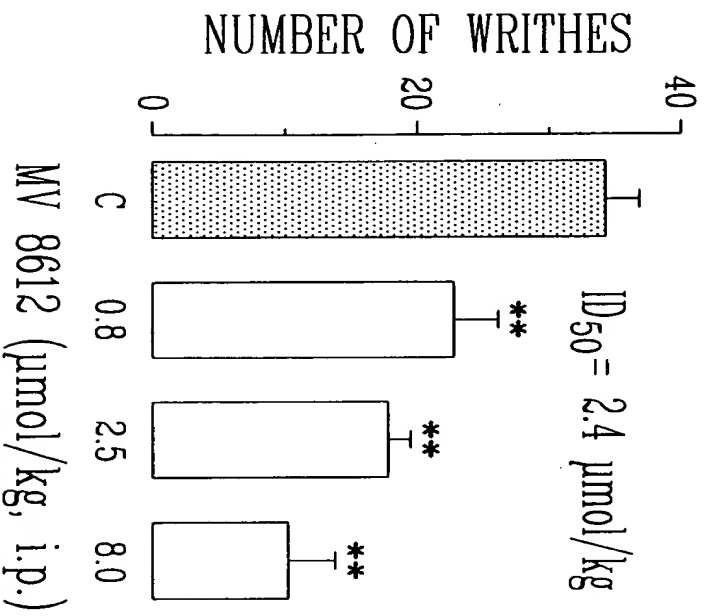


Fig. 54A

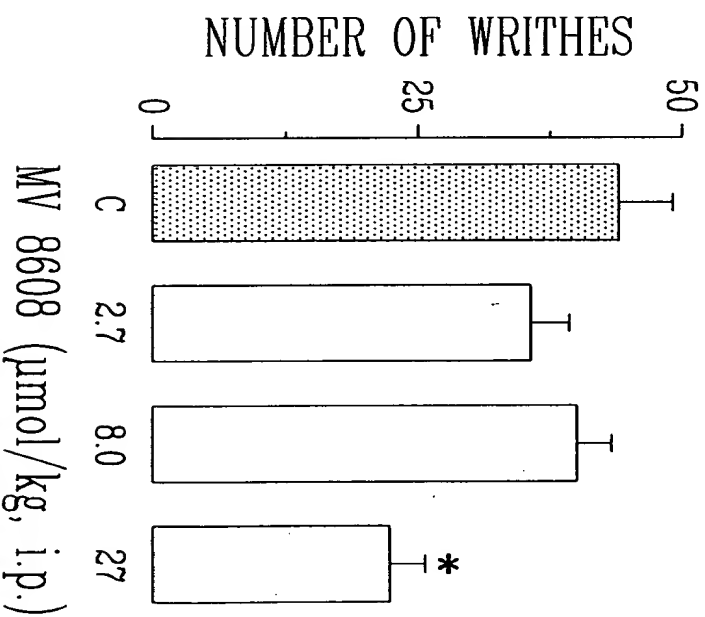
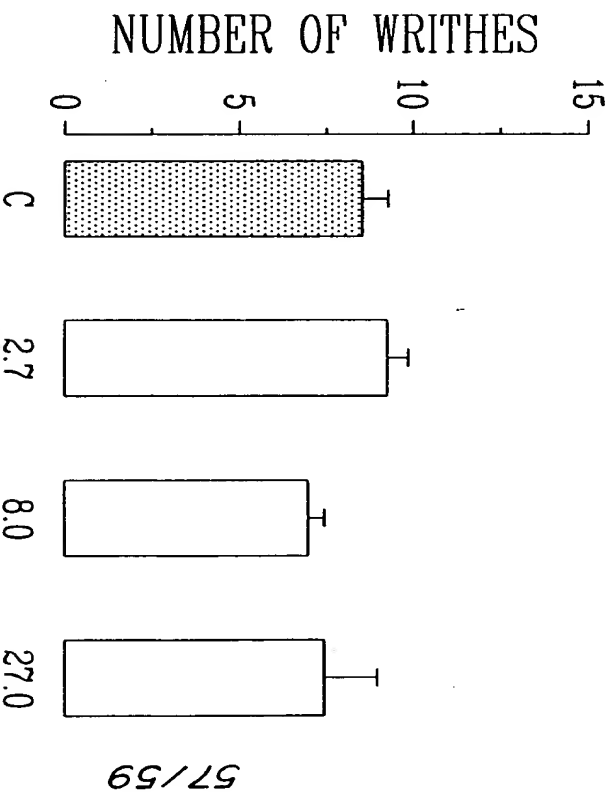
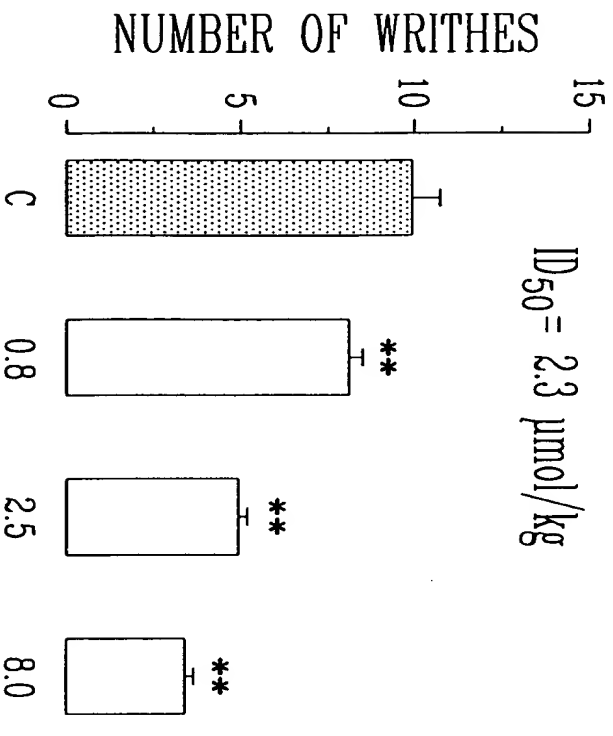


FiG. 54B

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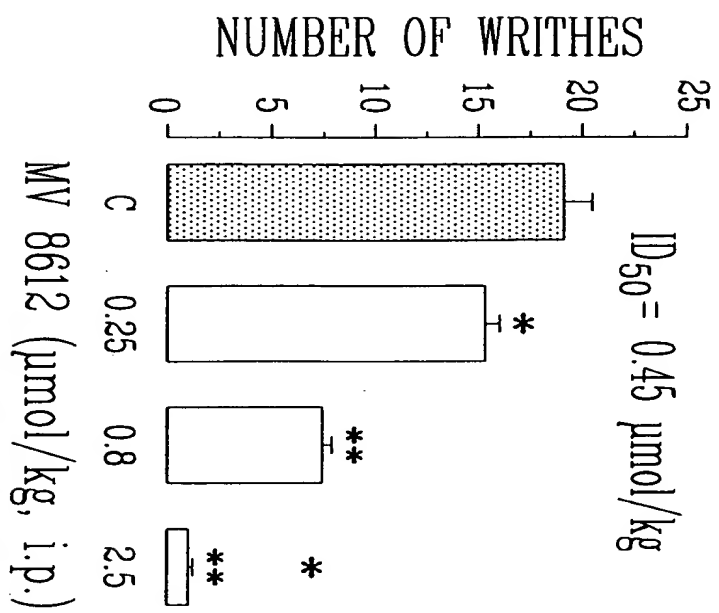


FIG. 56A

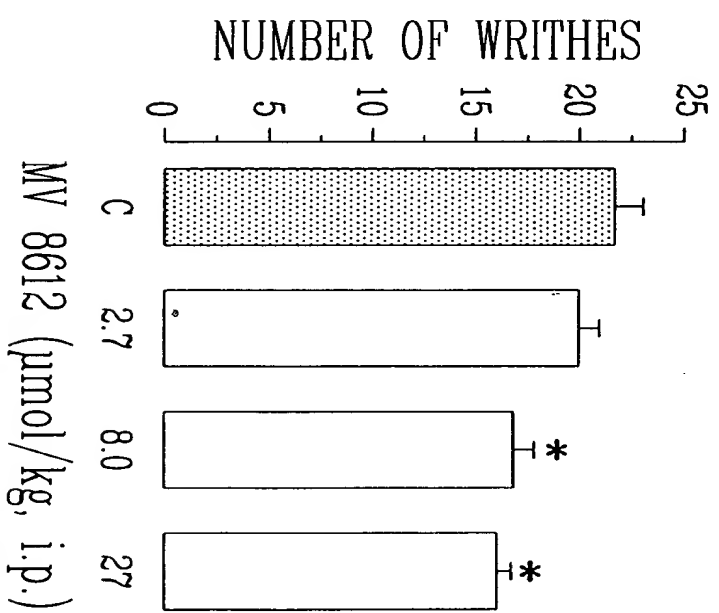


FIG. 56B

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